

Appendix C
Pre-Construction and Mutual Understanding
Meeting Minutes
(provided on electronic copy only)



Aptim Federal Services, LLC
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August 23, 2018

DCN: APTM-0006-4550-0033

Ms. Leslie Howard
Environmental Engineering Support
Navy Base Realignment and Closure Program Management Office West
33000 Nixie Way, Building 50
San Diego, California 92147

Contract: RADMAC II—Contract No. N62473-17-D-0006, Contract Task Order: N62473-17-F-4550
Radiological Work Tasks, Remedial Action and Maintenance of Remedies at Hunters
Point Naval Shipyard, San Francisco, California

Subject: Pre-Construction and Mutual Understanding Meeting Minutes

Dear Ms. Howard:

Aptim Federal Services LLC is pleased to submit the pre-construction and mutual understanding meeting minutes for Contract No. N62473-17-D-0006, Contract Task Order: N62473-17-F-4550, Radiological Work Tasks, Remedial Action and Maintenance of Remedies at Hunters Point Naval Shipyard, San Francisco, California.

If you have any questions regarding this letter, please do not hesitate to contact me at 619.446.4508.

Sincerely,

Lisa Bercik, PE
Project Manager
Aptim Federal Services, LLC

Attachments:

1. Project Kick-Off Meeting Minutes
2. Project Kick-Off Meeting Sign In Sheet
3. Construction Site Layout Map
4. Project Schedule
5. Revised Definable Features Matrix
6. Revised Organization Chart

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

CONTRACT INFORMATION				
Contract/Task-Delivery Order Number: N62473-17-D-0006 CTO N62473-17-F-4550		Project Title: RADIOLOGICAL WORK TASKS, REEMDIAL ACTION AND MAINTENANCE OF REMEDIES AT HUNTERS POINT NAVAL SHIPYARD, SAN FRANCISCO, CALIFORNIA Pre-Construction Meeting scheduled for July 24, 2018 at the APTIM trailer at HPNS at 1100-1140, or via conference call: Call-in Number: 866.844.9419 Participant Code: 21156281#		
Award Date: 15 Sep 2017	Award Amount: \$5,486,720.93	Contract Duration: 36 months	Completion Date: 15 Sep 2020	Liquidated Damages: N/A
Contractor: Aptim Federal Services LLC		A-E: N/A		

I. Introductions

The Navy and APTIM teams introduced themselves. Ms. Leslie Howard, Navy RPM, introduced Ms. Samantha Knolle and explained Ms. Knolle would be the acting RPM for Parcel D-1 Phase 2. All communications shall be directed to Ms. Knolle and Ms. Howard shall be cc'ed.

II. Roles and Responsibilities

Client: NAVFAC SW

Title	Area of Responsibility	Name	Phone No./Email
Remedial Project Manager (RPM)	Overall responsibility Technical/Engineering/ Financial aspect of project	Leslie Howard	(619) 524-5903 leslie.howard@navy.mil
Remedial Project Manager (RPM) – Parcel D-1	Overall responsibility Technical/Engineering/ Financial aspect of project	Samantha Knolle	(619) 524-5795 samantha.l.knolle@navy.mil
Lead RPM	Overall responsibility Technical/Engineering/ Financial aspect of HPNS	Danielle Janda	(619) 524-5096 danielle.janda@navy.mil
Contracting Officer	Contract modifications/invoicing/ payrolls	Cheryl Mercado	(619) 524-5665

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

Title	Area of Responsibility	Name	Phone No./Email
CSO	Coordination with HPNS/UCSF/Access/Scheduling	Patricia McFadden	(415) 743-4720 (office) (415) 559-9961 (mobile) patricia.mcfadden@navy.mil
CSO	Coordination with HPNS/UCSF/Access/Scheduling	Doug Delong	(415) 743-4713 (office) (510) 220-1894 (mobile) douglas.delong.ctr@navy.mil
CSO	Coordination with HPNS/UCSF/Access/Scheduling	Tom Ivey	(415) 685-7580 glennwood.ivery@navy.mil
Resident-Officer-In-Charge-Of-Construction (AROICC)	Overall responsibility for ROICC SF Bay	LT Camilo Colorado	(510) 333-2621 (mobile)
Supervisory General Engineer (SGE)	Authorized to serve in the absence of the ROICC	Tony Encarnacion	(510) 501-1170
ROICC Engineering Technician (ET)	Quality assurance (QA)/Safety/Conduct labor interviews/Issues deficiency notices	Jeff Griffin	(510) 501-4885 jeff.a.griffin@navy.mil
ROICC Construction Manager	Field Safety/Navy Technical Representative/Field Administration	Shirley Ng	(510) 521-8713 (office) (510) 502-5051 (mobile) shirley.ng@navy.mil

Contractor: Aptim Federal Services, LLC

Title	Name	Phone No. / Email
Program Manager	Ulrika Messer	(619) 446-4529 (office) (619) 241-9451 (mobile) ulrika.messer@aptim.com
Project Manager	Lisa Bercik	(619) 446-4508 (office) (619) 213-3389 (mobile) lisa.bercik@aptim.com

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

Title	Name	Phone No. / Email
Project Engineer	Mike Ayala	(925) 288-2158 (office) mike.ayala@aptim.com
Bay Area Construction Manager	Jim Click	(303) 345-8998 (mobile) james.click@aptim.com
HPNS Construction Manager	Sean Orman	(925) 330-9510 sean.orman@aptim.com
Radiological Operations Manager	Ray Schul	(518) 496-5533 raymond.schul@aptim.com
HPNS PRSO	Randall Killpack	(801) 244-2394 randall.killpack@aptim.com
Safety Health and Safety Officer (SSHO)	Mark Egan	(925) 321-6169 (mobile) mark.egan@aptim.com
Alternative SSHO	Mark Vennemeyer	(925) 383-6502 (mobile) mark.vennemeyer@aptim.com
Project Quality Control Manager (PQCM)	Lee Laws	(925) 759-1787 (mobile) lee.laws@aptim.com
Alternative PQCM	Mark Vennemeyer	(925) 383-6502 (mobile) mark.vennemeyer@aptim.com
Field Engineer	Renata Vidovic	(408) 505-7319 (mobile) renata.vidovic@aptim.com
Project Chemist	Eddie Kalombo	(415) 987-0760 (mobile) eddie.kalombo@aptim.com

III. Communications

1. RPM, ROICC, and the CSO will be notified at least 48 hours prior to all field activities.
2. A daily CQC and CPR report will be submitted to the ROICC, CSO and RPM for each day of field activities.
3. The ROICC and CSO will be notified of all field safety and QC issues. Actions requiring a Contracting Officer, such as adding, changes or modifications to the contract will only be executed by the Contracting Officer.

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

4. The consultant name (APTIM) and Navy contract number will be included on all reports and project documents.
5. Correspondence to ROICC will be by email. The RPM and CSO will be copied on all correspondence to the ROICC.
 - i. Holiday or outside normal work hours work requests to ROICC via email.
 - ii. Notify ROICC via email to coordinate mobilization for crane/load handling equipment/man-lift.

IV. Safety and Environmental

1. Accident Prevention Plan (APP)/Site Safety and Health Plan (SSHP) has been finalized. APP Amendment 01 is under ROICC review. APP/SSHP complies with 2014 USACE EM-385-1-1 Manual.
 - i. Activity Hazard Analyses (AHAs) were prepared for each phase of work, the AHAs will be reviewed by all site personnel and will be discussed at safety briefings by SSHO prior to start of field activities. If the initial Risk Assessment Code (RAC) increases due to a change made to the AHA by the workers, the AHA shall be resubmitted to the Government Designated Authority (GDA) for acceptance prior to work proceeding. Changes to or updates to an AHA that do not increase the RAC are not required to be resubmitted for acceptance by the GDA.
 1. APTIM submitted revised AHAs to Ms. Shirley Ng, ROICC, for review. Ms. Ng stated the AHAs tracked changes can be accepted, signed by the SSHO and resubmitted.
 - ii. All field work will be conducted in Level D or modified Level D PPE as specified in the AHAs. Level D PPE includes steel-toed boots/shoes, hard hats, disposable coverall, reflective vests, eye protection, gloves, hearing protection if necessary. Modified Level D PPE includes Level D PPE plus Tyvek-type coveralls. Personal flotation devices (Types III or V) will be required when on small boats and when working adjacent to the water (within 6 feet of the edge of piers/berths) (Types I, II, or III).
 - iii. Smoking will not be permitted at job site or in site vehicles, only in designated areas.
 - iv. Equipment brought on site will be inspected and must meet EM-385-1-1 requirements. Daily equipment inspections will be conducted by qualified personnel in the field. Checklist will be completed daily for each day of activity using the form in the APP/SSHP. Notify ROICC via email to coordinate mobilization for load handling equipment/man-lift.
2. Emergency Notifications – As described in APP/SSHP
 - i. All incidents will be reported to the APTIM PM immediately.
 1. Employees are responsible for reporting ALL mishaps immediately to their employer or supervisor.

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

2. Employers and supervisors are responsible for reporting all “recordable mishaps” to the GDA within 24-hours after notification from the affected employee.
 - ii. Severe accidents/fatalities or one or more hospitalized persons as inpatients as a result of a single occurrence will be reported to OSHA within 8 hours of incident and to the GDA immediately (also including “high hazard” mishaps and \$500,000 or greater accidental property damage).
 - iii. ROICC/RPM/CSO will be notified of reportable accidents/incidents within 4 hours.
 - iv. APTIM will complete Incident Report within 24 hours of the event; submit to Navy within 72 hours.
3. Permits
 - i. APTIM maintains annual excavation permit from OSHA
 - ii. Dig Alert – will be notified 3 days before mobilization
 - iii. Third party utility location – will be performed upon mobilization

V. Project Scope

1. Project Schedule: A draft schedule for implementation of the project is listed below.
2. Meetings
 - a. A weekly CQC meeting will be conducted at the project site during field activities
 - b. A pre-final meeting will be conducted after completion of construction and site restoration activities to identify punch list items that need to be addressed.
 - c. A final meeting will be conducted after completion of punch list items.
3. Plans/Design Documents: The Final Work Plan with all applicable appendices was finalized in May 2016. The Final Work Plan Addendum was finalized on July 16.
 - a. Ms. Ng stated to make sure the personnel qualifications were up to date and make sure Mr. Lee Laws, APTIM PQCM, qualifications were submitted.
4. Field Work: Activities will include the following:
 - a. Mobilization of equipment, material and workers
 - b. Site preparation (pre-construction topo survey, project signs, install BMPs [including turbidity curtain], air monitoring, utility survey)
 - c. Import material
 - d. Stabilize seawalls
 - e. Protect and extend existing monitoring wells
 - f. Construct durable cover
 1. Inspect and repair existing buildings and building foundations

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

2. Prepare subgrade (includes spoil management site grading, compaction, and compaction testing)
 3. Install durable cover (includes asphalt repair, new asphalt, swales)
 4. Install one permanent survey monument
- g. Gamma Walkover Scan
- h. Install permanent fencing
- i. Final topo survey
- j. Site cleanup and demobilization
- k. O&M
5. Reports:
 - a. Remedial Action Completion Report (4 versions),
 - b. Post-construction RA Fact Sheet (3 versions),
 - c. Post-Construction O&M Manual Addendum (4 versions)
 - d. Four (4) Quarterly O&M Inspection Reports (3 versions)
6. Data Management: All analytical data generated during the remedial action will be reviewed by the Project Chemist and submitted to the Navy Installation Restoration Information Solution (NIRIS).

VI. Project Execution

1. Work hours – All work is expected to be completed between 0600 and 1630 (40 hour work week typical), five (5) days a week. Evening and weekend hours are not anticipated. APTIM to notify ROICC and CSO if extended hours are required. (Work not affected by tides.)
2. Site Security – APTIM will be responsible for maintaining job site security during work hours.
 - a. Mr. Doug Delong, CSO Representative, states break-ins happen during the week. Navy security may to check on the Gun Mole Pier because access may be cut off by the Parcel D-1 Phase 2 work.
3. Competent Person – APTIM will provide a competent superintendent to oversee field activities.
4. Subcontractors:
 - a. CBL – Land Survey
 - b. ULS – Utility Location
 - c. Earth Toxics – Chemical Laboratory Analysis
 - d. Earth Toxics – Air Monitoring Laboratory Analysis
 - e. TBD – Import Fill Material

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

- f. Smith-Emery – Geotechnical Analysis
 - g. TBD – Waste T&D
 - h. Granite – Paving
 - i. E-Lab – Data Validation
5. Photographs – APTIM will document progress of the remedial activities by taking photographs before, during, and after field work occurs. A photo log and CD disk of digital images will be submitted to the RPM. Alternatively, the base can arrange for an individual to capture the different phases of the RA implementation.
6. Notifications – The RPM will be notified by email or phone when each field work task is about to commence. The RPM will also be verbally briefed once a week on the progress of the project.
7. Method of Documenting Changes to Construction Drawings and Specifications. APTIM will submit RFIs on the ROICC-provided RFI form. Review submittal and approval process.
- a. APTIM will use field work variance (FWV) forms for minor changes and use Request for Information (RFIs) for changes that may require contract modifications.
 - b. Submittals will be submitted to BRAC for approval.

VII. Schedule

See project schedule (revised with August 13 mobilization date).

A summary of Phase 2 major tasks is provided below.

Task Name (Phase 2)	Duration	Start	Finish
Pre-Construction Topo Survey - completed	N/A	N/A	N/A
Mobilization	3 days	8/13/2018	8/16/2018
Site Preparation, Utility Location	2 days	8/16/2018	8/17/2018
Air Monitoring	63 days	8/20/2018	11/15/2018
Existing Building Inspections/Repairs	15 days	8/20/2018	9/10/2018
Subgrade Preparation	20 days	8/20/2018	9/17/2018
Gamma Walkover Survey	19 days	9/7/2018	9/26/2018
Seawall Stabilization	20 days	9/28/2018	10/25/2018
Install Durable Cover (Paving)	15 days	10/26/2018	11/15/2018
Extend Existing Monitoring Wells	3 days	11/16/2018	11/20/2018
Install Permanent Fence	10 days	11/21/2018	12/6/2018
Final Topo Survey, Install Monument	3 days	12/7/2018	12/10/2018

PRE-CONSTRUCTION CONFERENCE MEETING MINUTES

Task Name (Phase 2)	Duration	Start	Finish
Site Cleanup and Demobilization	2 days	12/10/2018	12/11/2018

APTIM shall notify Battelle prior to beginning the gamma walkover survey.

The above schedule does not include Parcels C and F field work, which is scheduled to begin in Fall 2018.

VIII. General Discussion

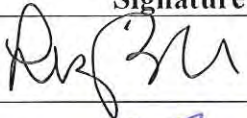



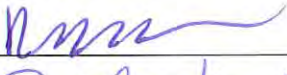

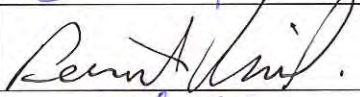
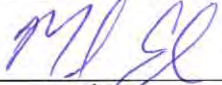
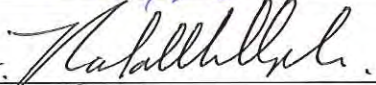




Ms. Howard stated there are four (4) wells located in Phase 2 that Trevet was scoped to repair. APTIM shall coordinate with Trevet. Trevet is scheduled to sample in September. Leo Larson is the Navy RPM for that project.

APTIM noted mastic tiles were observed in some of the Phase 2 buildings. Samples would be collected for health and safety purposes. The Navy will be notified if asbestos is present and may require a contract modification.

**PRE-CONSTRUCTION AND MUTUAL UNDERSTANDING MEETING
REMEDIAL ACTION IN PARCEL D-1, PHASE II
HUNTERS POINT NAVAL SHIPYARD, SAN FRANCISCO, CALIFORNIA
N62473-17-D-0006, CTO N62473-17-F-4550**

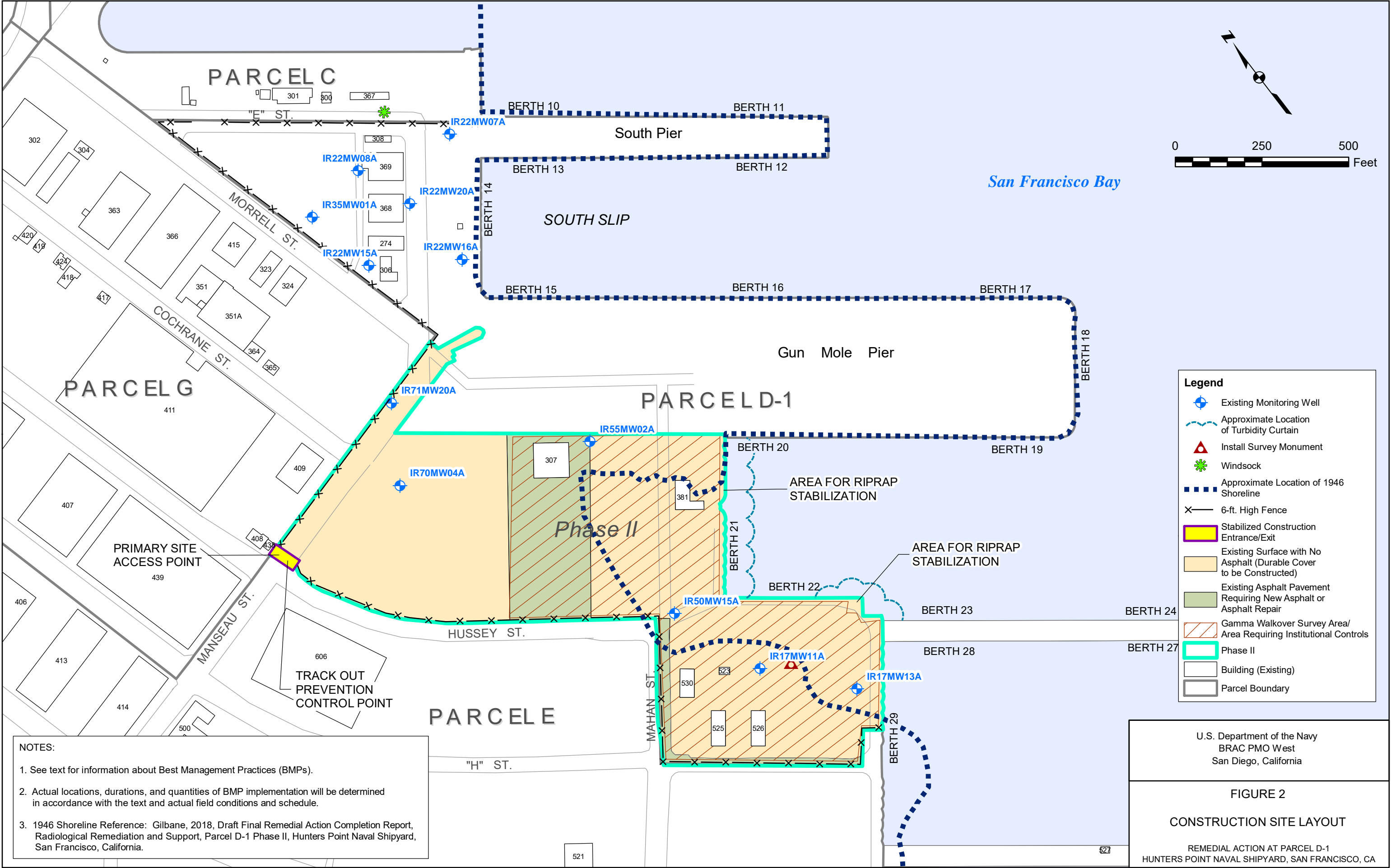
Tuesday, July 24, 2018 at 1100

SIGN IN SHEET

Name	Organization, Title	Signature
Lisa Bercik	APTIM PM	
SEAN ORMAN	APTIM CONSTRUCTION mgr	
MARK EGAN	APTIM SSAD	
Leslie Howard	Navy BRAC	
Rob Kroszka	Navy BRAC	
Samantha Knolle	NAVY BRAC	
Renata Vidovic	Aptim Field Engineer	
M. Ayala	Aptim, Project Eng.	
Randall Kelly	APTIM Jul 24/18	
Gr. T. Ivey JR.	Gr T Ivey NAVY	
POUG DELORA	 NAVY BRAC	
Barbara Matz	(Bmatz) ← APTIM QCM	

[illegible]

G:\HUNTERS_PT\GIS_Documents\Project_Maps\ID1_CTO3\HP_D1_027_Phase2_WP.mxd 5/21/2018



Run Date: 23-Jul-18 Data Date: 15-Sep-17				1 of 6																																						
WBS Path	WBS	Activity ID	Activity Name	Original Duration	Start	Finish	2018												2019												2020											
DO 4550 Radiological Work Tasks at Parcels C, D-1, and F, Hunters Point Naval Shipyard				757	15-Sep-17	16-Sep-20																																				
Project Milestones				757	15-Sep-17	16-Sep-20																																				
00	501008.00	PPP	Project Execution	757	15-Sep-17	16-Sep-20																																				
00	501008.00	PAN	Project Award Notice Anticipated	0	15-Sep-17																																					
00	501008.00	BOND	Bond Submittal	0		28-Sep-17																																				
Work Element 1- Project Management Support				757	15-Sep-17	16-Sep-20																																				
Project Mgmt - Project Management & Administrative Support				757	15-Sep-17	16-Sep-20																																				
1.1	501008.1.1	01002110	Project Management and Support	757	15-Sep-17	16-Sep-20																																				
1.1	501008.1.1	04002471	Bond	1	29-Sep-17	29-Sep-17																																				
1.1	501008.1.1	04002401	Procurement	155	12-Mar-18	18-Oct-18																																				
1.1	501008.1.1	04002451	Project Closeout	5	10-Sep-20	16-Sep-20																																				
1.1	501008.1.1	6007280	Contingency	1	16-Sep-20	16-Sep-20																																				
1.1	501008.1.1	6007290	SF Business Tax	1	16-Sep-20	16-Sep-20																																				
Memorandum of Understanding				756	15-Sep-17	15-Sep-20																																				
1.2	501008.1.2	01002120	Memorandum of Understanding (MOU)	756	15-Sep-17	15-Sep-20																																				
Work Element 2 - Project Meetings				757	15-Sep-17	16-Sep-20																																				
Kick-off Meeting/Formal Site Visit				8	26-Sep-17	05-Oct-17																																				
2.1	501008.2.1	02002211	Kick-off Meeting/Formal Site Visit	0	26-Sep-17	26-Sep-17																																				
2.1	501008.2.1	02002231	Kick-off Meeting Minutes	8	26-Sep-17	05-Oct-17																																				
Base Closure Team Meetings (BCT Meetings)				750	26-Sep-17	16-Sep-20																																				
2.2	501008.2.2	02002221	BRAC Closure Team (BRAC)/Project Team Meetings (#1 - #6)	750	26-Sep-17	16-Sep-20																																				
Community Meetings				750	26-Sep-17	16-Sep-20																																				
2.3	501008.2.3	02002220	Community Meetings (2 per year)	750	26-Sep-17	16-Sep-20																																				
Contractor Coordination Meetings				757	15-Sep-17	16-Sep-20																																				
2.4	501008.2.4	02002240	Contractor Coordination Meeting (#1 - #3)	757	15-Sep-17	16-Sep-20																																				
Work Element 3 - Planning Documents				757	15-Sep-17	16-Sep-20																																				
Basewide Radiological Support Work and Abbrev. SAP and Work Instructions				757	15-Sep-17	16-Sep-20																																				
3.1	501008.3.1	03002320	Work Instructions (6 total)	757	15-Sep-17	16-Sep-20																																				
3.1	501008.3.1	03002310	Internal Draft Work Plan	4	26-Sep-17	29-Sep-17																																				
3.1	501008.3.1	03002311	Navy Review of Internal Draft Work Plan (21 Calendar Days)	15	02-Oct-17	20-Oct-17																																				
3.1	501008.3.1	03002312	Respond to Navy Comments on the Internal Draft Work Plan	2	23-Oct-17	24-Oct-17																																				
3.1	501008.3.1	03002313	Navy Review and Comment	1	25-Oct-17	25-Oct-17																																				
3.1	501008.3.1	03002318	Issue Final Work Plan	3	26-Oct-17	30-Oct-17																																				
Parcel C Historical District Work Plan and SAP				276	15-Sep-17	18-Oct-18																																				
3.3	501008.3.3	6006780	Internal Draft Work Plan	64	15-Sep-17	15-Dec-17																																				
3.3	501008.3.3	6006740	Navy Review of Internal Draft Work Plan (30 Calendar Days[extended review])	58	18-Dec-17	12-Mar-18																																				
3.3	501008.3.3	6006800	Prepare Revised Internal Draft Work Plan	10	13-Mar-18	26-Mar-18																																				
3.3	501008.3.3	6007300	Navy Review of Revised Internal Draft Work Plan	17	27-Mar-18	19-Apr-18																																				
3.3	501008.3.3	6007310	Repond to Navy Comments on the Revised Internal Draft Work Plan	13	20-Apr-18	08-May-18																																				
3.3	501008.3.3	6007320	Navy Review of RTC on the Revised Internal Draft Work Plan	6	08-May-18	15-May-18																																				
3.3	501008.3.3	6007330	Prepare SAP for QAO Submittal	1	16-May-18	16-May-18																																				
3.3	501008.3.3	6007340	QAO Review of Draft SAP	31	17-May-18	29-Jun-18																																				
3.3	501008.3.3	6006710	Issue Draft Work Plan	5	02-Jul-18	09-Jul-18																																				
3.3	501008.3.3	6006790	Prepare SHPO Letter	5	02-Jul-18	09-Jul-18																																				
3.3	501008.3.3	6006760	Regulatory Review of Draft Work Plan (45 Calendar Day Review)	30	10-Jul-18	20-Aug-18																																				
3.3	501008.3.3	6006730	Prepare and Issue Response to Comments on the Draft Work Plan	22	21-Aug-18	20-Sep-18																																				
3.3	501008.3.3	6006720	Navy Review of Response to Comments on the Draft Work Plan (21 Calendar Days)	15	21-Sep-18	11-Oct-18																																				

Project Baseline Bar

Actual Work

Remaining Work

Critical Remaining Work

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Milestone








Summary

Project Schedule - Delivery Order: N6247317F4550

Parcel C, Parcel D-1, Parcel F, Hunters Point Naval Shipyard,

San Francisco, CA

APTIM

 Project Baseline Bar  Actual Work  Remaining Work  Critical Remaining Work	 Milestone  Summary	Project Schedule - Delivery Order: N6247317F4550 Parcel C, Parcel D-1, Parcel F, Hunters Point Naval Shipyard, San Francisco, CA	
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Run Date: 23-Jul-18 Data Date: 15-Sep-17				3 of 6																														
WBS Path	WBS	Activity ID	Activity Name	Original Duration	Start	Finish	201820192020																											
Air Monitoring				63	13-Aug-18	08-Nov-18																												
4.0.5	501008.4.0.5	6006600	Air Monitoring-Parcel D-1	63	13-Aug-18	08-Nov-18																												
4.0.5	501008.4.0.5	04002411	Air Monitoring-Parcel C	0	19-Oct-18	19-Oct-18																												
Site Maintenance				534	06-Aug-18	16-Sep-20																												
4.0.6	501008.4.0.6	04002412	Site Maintenance	534	06-Aug-18	16-Sep-20																												
Parcel C - Storm Drain/Sewer Line Investigation				36	19-Oct-18	11-Dec-18																												
Pre-Construction				5	19-Oct-18	25-Oct-18																												
4.1.1	501008.4.1.1	04002409	Utility Clearance	1	19-Oct-18	19-Oct-18																												
4.1.1	501008.4.1.1	04004110	Install Turbidity Curtain	2	19-Oct-18	22-Oct-18																												
4.1.1	501008.4.1.1	04004120	Set up staging areas	1	19-Oct-18	19-Oct-18																												
4.1.1	501008.4.1.1	04002421	Background WQ Monitoring/Sampling	3	23-Oct-18	25-Oct-18																												
SS/SD Investigation				25	22-Oct-18	27-Nov-18																												
4.1.2	501008.4.1.2	04002431	DPT Sampling SS/SDs	5	22-Oct-18	26-Oct-18																												
4.1.2	501008.4.1.2	04002441	Site Restoration	5	22-Oct-18	26-Oct-18																												
4.1.2	501008.4.1.2	6007120	Sample Analysis (21 cday analysis, shipping, reporting)	20	29-Oct-18	27-Nov-18																												
Manhole Investigation				23	22-Oct-18	21-Nov-18																												
4.1.3	501008.4.1.3	6007130	Manhole Cleaning/Sampling	3	22-Oct-18	24-Oct-18																												
4.1.3	501008.4.1.3	6007140	Sample Analysis (21 cday analysis, shipping, reporting)	20	25-Oct-18	21-Nov-18																												
Outfall Investigation				36	19-Oct-18	11-Dec-18																												
4.1.4	501008.4.1.4	6007150	Turbidity Curtain	17	19-Oct-18	12-Nov-18																												
4.1.4	501008.4.1.4	6007160	Outfall Investigation	5	29-Oct-18	02-Nov-18																												
4.1.4	501008.4.1.4	6007170	Sample Analysis (21 cday analysis, shipping, reporting)	20	05-Nov-18	04-Dec-18																												
FSS of Outfall Area				25	05-Nov-18	11-Dec-18																												
4.1.4.5	501008.4.1.4.5	6007350	Establish SU, Scan 100%	2	05-Nov-18	06-Nov-18																												
4.1.4.5	501008.4.1.4.5	6007360	Follow Ups	1	07-Nov-18	07-Nov-18																												
4.1.4.5	501008.4.1.4.5	6007370	Sampling	2	08-Nov-18	09-Nov-18																												
4.1.4.5	501008.4.1.4.5	6007380	Sample Analysis (21 cday analysis, shipping, reporting)	20	12-Nov-18	11-Dec-18																												
Post-Construction				6	12-Nov-18	19-Nov-18																												
4.1.5	501008.4.1.5	6007400	Remove Turbidity Curtain	1	12-Nov-18	12-Nov-18																												
4.1.5	501008.4.1.5	6007410	Waste Management	2	13-Nov-18	14-Nov-18																												
4.1.5	501008.4.1.5	6007420	Equipment/Material Decon	2	15-Nov-18	16-Nov-18																												
4.1.5	501008.4.1.5	6007430	Demobilization	1	19-Nov-18	19-Nov-18																												
Parcel D-1 Durable Cover				80	09-Aug-18	03-Dec-18																												
Clearing, Grubbing, and Subgrade Preparation				22	09-Aug-18	10-Sep-18																												
4.2.1	501008.4.2.1	04004213	Site Preparation/Clearing and Grubbing (SWPP, Temp Fence Install)	2	09-Aug-18	10-Aug-18																												
4.2.1	501008.4.2.1	6006610	Utility Clearance	1	10-Aug-18	10-Aug-18																												
4.2.1	501008.4.2.1	04004215	Sub Grade Preparation - New Asphalt Placement/Asphalt Replacement Areas	20	13-Aug-18	10-Sep-18																												
Gamma Radiation Walkover Survey				29	30-Aug-18	10-Oct-18																												
4.2.2	501008.4.2.2	04004220	Gamma Walk Over Survey	14	30-Aug-18	19-Sep-18																												
4.2.2	501008.4.2.2	04004221	Data Review	19	30-Aug-18	26-Sep-18																												
4.2.2	501008.4.2.2	04004222	Follow Up Statics	5	20-Sep-18	26-Sep-18																												
4.2.2	501008.4.2.2	04004225	Review Data and Prepare Data Package	5	27-Sep-18	03-Oct-18																												
4.2.2	501008.4.2.2	04004226	RASO Review and Approval of Packages	5	04-Oct-18	10-Oct-18																												
Existing Building Foundations				15	13-Aug-18	31-Aug-18																												
4.2.3	501008.4.2.3	04004230	Existing Bldg Foundations - Inspection & Repair	15	13-Aug-18	31-Aug-18																												
Stormwater Drainage				24	17-Sep-18	18-Oct-18																												
4.2.4	501008.4.2.4	04004240	Install Turbidity Curtain	4	17-Sep-18	20-Sep-18																												

Project Baseline Bar

Actual Work

Remaining Work

Critical Remaining Work


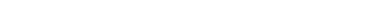
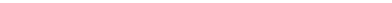



Milestone

Summary


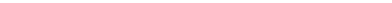
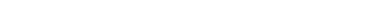



Project Schedule - Delivery Order: N6247317F4550

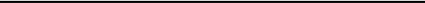
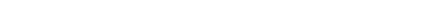
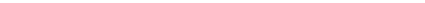
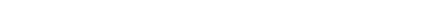



Parcel C, Parcel D-1, Parcel F, Hunters Point Naval Shipyard, San Francisco, CA

APTIM

 Project Baseline Bar  Actual Work Remaining Work  Critical Remaining Work	 Milestone  Summary	Project Schedule - Delivery Order: N6247317F4550 Parcel C, Parcel D-1, Parcel F, Hunters Point Naval Shipyard, San Francisco, CA	
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Parcel D-1 Phase II Remedial Action Closure Report				153	04-Dec-18	12-Jul-19
5.3	501008.5.3	05000530	Prepare Internal Draft Remedial Action Closure Report	30	04-Dec-18	17-Jan-19
5.3	501008.5.3	05000531	Navy Review of Internal Draft Remedial Action Closure Report (21 Calendar Days)	15	18-Jan-19	07-Feb-19
5.3	501008.5.3	05000532	Respond to Navy Comments and Issue Draft Remedial Action Closure Report	22	08-Feb-19	11-Mar-19
5.3	501008.5.3	05000533	Regulatory Review of Draft Remedial Action Closure Report (45 Calendar Day Review)	33	12-Mar-19	26-Apr-19
5.3	501008.5.3	05000534	Prepare and Issue Draft Final Remedial Action Closure Report	33	29-Apr-19	13-Jun-19
5.3	501008.5.3	05000535	Navy Review of Draft Final Remedial Action Closure Report	15	14-Jun-19	05-Jul-19
5.3	501008.5.3	05000536	Respond to Regulatory Comments and Issue Final Remedial Action Closure Report	5	08-Jul-19	12-Jul-19
Post-construction Operation and Maintenance Plan (O&M)				83	29-Apr-19	23-Aug-19
5.4	501008.5.4	05000540	Prepare Internal Draft O&M Plan	14	29-Apr-19	16-May-19
5.4	501008.5.4	05000541	Navy Review of Internal Draft O&M Plan (21 Calendar days)	15	17-May-19	07-Jun-19
5.4	501008.5.4	05000542	Respond to Navy Comments and Issue Draft O&M Plan	10	10-Jun-19	21-Jun-19
5.4	501008.5.4	05000543	Regulatory Review of Draft O&M Plan (45 Calendar Day Review)	34	24-Jun-19	09-Aug-19
5.4	501008.5.4	05000546	Respond to Regulatory Comments and Issue Final O&M Plan	10	12-Aug-19	23-Aug-19
Remedial Action Fact Sheet				30	08-Jul-19	16-Aug-19
5.5	501008.5.5	05000550	Prepare Internal Draft Remedial Action Fact Sheet	5	08-Jul-19	12-Jul-19
5.5	501008.5.5	05000551	Navy Review of Internal Draft Remedial Action Fact Sheet (21 Calendar Days)	15	15-Jul-19	02-Aug-19
5.5	501008.5.5	05000552	Respond to Navy Comments and Issue Final Remedial Action Fact Sheet	10	05-Aug-19	16-Aug-19
Naval Installation Resoration Information Systems				5	31-Jan-19	06-Feb-19
5.6	501008.5.6	05000560	Naval Installation Restoration Systems (NIRIS) Upload	5	31-Jan-19	06-Feb-19
Parcel F Structures Characterization Survey Report-Finger Piers				153	29-Jan-19	04-Sep-19
5.7	501008.5.7	05000570	Prepare Internal Draft Characterization Survey Report	30	29-Jan-19	11-Mar-19
5.7	501008.5.7	05000571	Navy Review of Internal Draft Characterization Survey Report (21 Calendar Days)	15	12-Mar-19	01-Apr-19
5.7	501008.5.7	05000572	Respond to Navy Comments and Issue Draft Characterization Survey Report	22	02-Apr-19	02-May-19
5.7	501008.5.7	05000573	Regulatory Review of Draft Characterization Survey Report (45 Calendar Day Review)	33	03-May-19	19-Jun-19
5.7	501008.5.7	05000574	Prepare and Issue Draft Final Characterization Survey Report	33	20-Jun-19	06-Aug-19
5.7	501008.5.7	05000575	Navy Review of Draft Final Characterization Survey Report	15	07-Aug-19	27-Aug-19
5.7	501008.5.7	05000576	Respond to Regulatory Comments and Issue Final Characterization Survey Report	5	28-Aug-19	04-Sep-19
Parcel F Structures Characterization Survey Report-Submarine Pens				153	07-Feb-19	13-Sep-19
5.8	501008.5.8	6007110	Prepare Internal Draft Characterization Survey Report	30	07-Feb-19	20-Mar-19
5.8	501008.5.8	6007070	Navy Review of Internal Draft Characterization Survey Report (21 Calendar Days)	15	21-Mar-19	11-Apr-19
5.8	501008.5.8	6007100	Respond to Navy Comments and Issue Draft Characterization Survey Report	22	12-Apr-19	13-May-19
5.8	501008.5.8	6007090	Regulatory Review of Draft Characterization Survey Report (45 Calendar Day Review)	33	14-May-19	28-Jun-19
5.8	501008.5.8	6007060	Prepare and Issue Draft Final Characterization Survey Report	33	01-Jul-19	15-Aug-19
5.8	501008.5.8	6007050	Navy Review of Draft Final Characterization Survey Report	15	16-Aug-19	06-Sep-19
5.8	501008.5.8	6007080	Respond to Regulatory Comments and Issue Final Characterization Survey Report	5	09-Sep-19	13-Sep-19
Work Element 6 - Maintenance of Remedies				724	01-Nov-17	16-Sep-20
Durable Cover Operation and Maintenance				268	05-Mar-19	25-Mar-20
6.1	501008.6.1	06006100	Quarter 1 Inspection, Maintenance, and Repair	5	05-Mar-19	11-Mar-19
6.1	501008.6.1	06006101	Quarter 1 Inspection Report	5	12-Mar-19	18-Mar-19
6.1	501008.6.1	06006102	Quarter 2 Inspection, Maintenance, and Repair	5	05-Jun-19	11-Jun-19
6.1	501008.6.1	06006103	Quarter 2 Inspection Report	5	12-Jun-19	18-Jun-19
6.1	501008.6.1	06006104	Quarter 3 Inspection, Maintenance, and Repair	5	05-Sep-19	11-Sep-19
6.1	501008.6.1	06006105	Quarter 3 Inspection Report	5	12-Sep-19	18-Sep-19
6.1	501008.6.1	06006106	Quarter 4 Inspection, Maintenance, and Repair	5	25-Nov-19	03-Dec-19
6.1	501008.6.1	06006107	Quarter 4 Inspection Report - Annual Report Prepare Internal Draft	10	04-Dec-19	17-Dec-19
6.1	501008.6.1	06006108	Quarter 4 Inspection Report - Annual Report Navy Review Internal Draft (21 Calendar	15	18-Dec-19	10-Jan-20
6.1	501008.6.1	06006109	Quarter 4 Inspection Report - Annual Report Respond to Navy Comments and Issue I	10	13-Jan-20	24-Jan-20
6.1	501008.6.1	06006110	Quarter 4 Inspection Report - Annual Report Navy/Agencies Review of Draft (45 caler	33	27-Jan-20	11-Mar-20

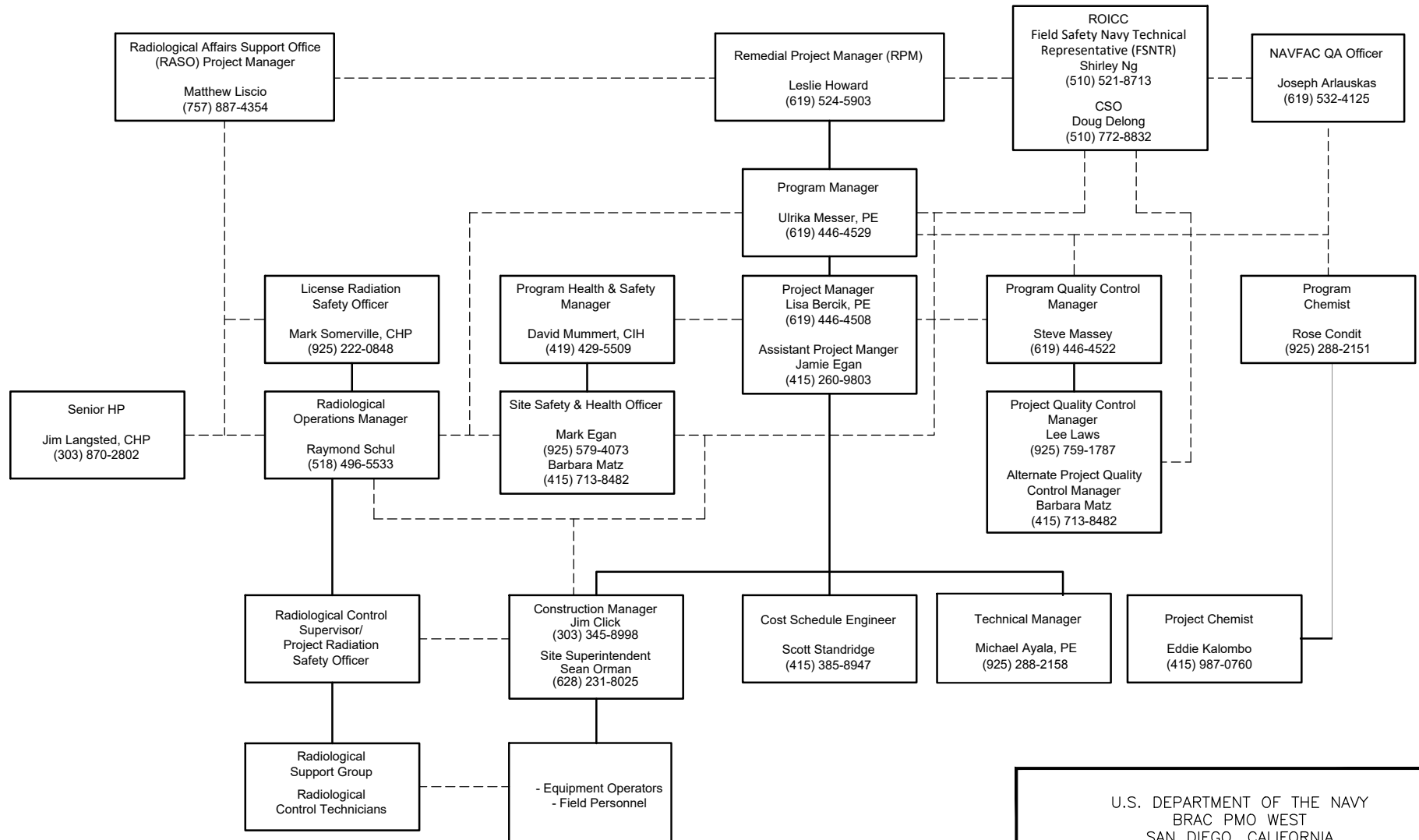
 Project Baseline Bar  Actual Work Remaining Work  Critical Remaining Work	 Milestone  Summary	Project Schedule - Delivery Order: N6247317F4550 Parcel C, Parcel D-1, Parcel F, Hunters Point Naval Shipyard, San Francisco, CA	
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 Project Baseline Bar  Actual Work  Remaining Work  Critical Remaining Work	 Milestone  Summary	Project Schedule - Delivery Order: N6247317F4550 Parcel C, Parcel D-1, Parcel F, Hunters Point Naval Shipyard, San Francisco, CA	
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Definable Features of Work Matrix
Remedial Action in Parcel D-1
Hunters Point Naval Shipyard, San Francisco, California
Contract No. N62473-12-D-2005 Contract Task Order 0003;
Contract No. N62473-17-D-0006 Contract Task Order N62473-17-F-4550

Project Plan Section	Schedule Cross Reference	Feature of Work	Task Lead	Preparatory	Initial	Follow-Up	Completion
Work Plan 5.2.1	W.E. # 2.3.4.3	Utility Survey	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.2.2	W.E. # 2.3.2.1	Clearing, Grubbing, and Subgrade Preparation	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.2.5	W.E. # 2.3.6	Air Monitoring	Eddie Kalombo	Eddie Kalombo	Lee Laws	Lee Laws	Eddie Kalombo
Work Plan Addendum 6.1	W.E. # 2.4.2	Gamma Walkover Survey	Randall Killpack	Randall Killpack	Lee Laws	Lee Laws	Randall Killpack
Work Plan 5.2.7, Work Plan Addendum 6.2	W.E. # 2.3.8.1	Seawall Stability	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.2.7	W.E. # 2.3.8.1	Swale Construction	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.2.7	W.E. # 2.3.8.1	Asphalt Paving	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.2.7	W.E. # 2.3.8.2	Building Foundation Repairing	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.2.8	W.E. # 2.3.9	Monitoring Well Protection, Extension	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.3.1	W.E. # 2.3.7	Land Survey	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman
Work Plan 5.3.3; Work Plan Addendum 6.3	W.E. # 2.5.1	O&M	Sean Orman	Sean Orman	Lee Laws	Lee Laws	Sean Orman

IMAGE	X-REF	OFFICE	DRAWN BY		CHECKED BY		APPROVED BY		DRAWING NUMBER
---	---	Concord	BLACK	12/4/17					501008-A2



LEGEND

----- LINES OF COMMUNICATION

———— LINES OF AUTHORITY

U.S. DEPARTMENT OF THE NAVY
BRAC PMO WEST
SAN DIEGO, CALIFORNIA

ATTACHMENT 1 ORGANIZATION CHART

PARCEL D-1- RADIOLOGICAL WORK TASKS,
REMEDIAL ACTION, AND MAINTENANCE OF REMEDIES
HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA

Appendix D

Stormwater Management Paperwork

(provided on electronic copy only)

Attachment 5

Visual Inspection Checklist

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input type="checkbox"/> Excavation and Earthmoving <input checked="" type="checkbox"/> Inactive Construction (mob week)	Work Area No.	501008
Inspector's Name	Renata Vidovic	Date	08-17-2018
Signature	<i>Renata Vidovic</i>	Weather	Sunny, 65°F
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input type="checkbox"/> Rainy <input checked="" type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	/	Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	X			Fencing along perimeter of site. No protected areas within site boundaries.
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?			X	Site mob. no erosion control needed yet.
Are there any non-vegetated areas that may require temporary erosion control?		X		
Is the area where erosion controls are used required free from visible erosion?			X	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			waddles in place as required along swale lines; sandbags in place around soil stockpile - to be improved
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	X			
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	X			
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?			X	

Attachment 5

Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Tracking Control				
Is the entrance stabilized to prevent tracking	X			X
Is the stabilized entrance inspected daily to ensure that it is working properly	X			5/15/09
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?	X			
Wind Erosion Control				
Is dust control implemented?	X			
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			
If no, are drip pans used?			X	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	X			
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	X			
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?			X	
Are bagged and boxed materials stored on pallets?			X	
Are hazardous materials and wastes stored in appropriate, labeled containers?			X	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?			X	
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?			X	

Attachment 5

Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?			X	
Is the site free of litter?	X			
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		
If yes, has the Owner/Operator been notified?				
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	X			
General				
Are there any other potential concerns at the site?		X		
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?			X	No present stormwater
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?			X	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?			X	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?			X	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?			X	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?			X	

Attachment 5

Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were the BMPs maintained or replaced?	X			
Were soil amendments (e.g., gypsum, lime) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?			X	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?			X	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?			X	

Attachment 5

Visual Inspection Checklist

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	501008
Inspector's Name	Renata Vidovic	Date	08-24-18
Signature	<i>Renata Vidovic</i>	Weather	Sunny, 66°
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input type="checkbox"/> Rainy <input checked="" type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	/	Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?			X	Fencing on perimeter of site
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	X			
Are there any non-vegetated areas that may require temporary erosion control?	X			
Is the area where erosion controls are used required free from visible erosion?	X			
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			wattles/sandbags in place as required along swales and soil stockpiles
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	X			
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	X			
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?	X			wattles placed around soil stockpiles at northern edge of site

Attachment 5

Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Tracking Control				
Is the entrance stabilized to prevent tracking	X			
Is the stabilized entrance inspected daily to ensure that it is working properly	X			
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?		X		noticed some minimal tracking along N boundary between phase 1 & 2. will discuss w/ superintendent
Wind Erosion Control				
Is dust control implemented?	X			
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			
If no, are drip pans used?			X	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	X			
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	X			
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?			X	
Are bagged and boxed materials stored on pallets?			X	
Are hazardous materials and wastes stored in appropriate, labeled containers?			X	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?			X	
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?			X	

Attachment 5

Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?			X	
Is the site free of litter?	X			
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		
If yes, has the Owner/Operator been notified?				
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	X			
General				
Are there any other potential concerns at the site?		X		
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?			X	No present storm water
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?			X	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?			X	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?			X	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?			X	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were the BMPs maintained or replaced?	Y			
Were soil amendments (e.g., gypsum, lime) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?			X	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?			X	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?		X		

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Visual Inspection Checklist

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	501008
Inspector's Name	Renata Vidovic	Date	08-31-18
Signature	<i>Renata Vidovic</i>	Weather	Cloudy/clear; 71°-55°F; WNW wind
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input type="checkbox"/> Rainy <input checked="" type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	/	Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. / Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?			X	Fencing on perimeter of site
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?			X	
Are there any non-vegetated areas that may require temporary erosion control?	X			We may at some point but not presently
Is the area where erosion controls are used required free from visible erosion?			X	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			waddles/sandbags in place as needed along swales and soil stockpiles
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	X			This weeks stockpiles mostly involve metal, concrete, or wood to be used or disposed.
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	X			
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Tracking Control				
Is the entrance stabilized to prevent tracking	X			
Is the stabilized entrance inspected daily to ensure that it is working properly	X			
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?		X		Spoke with site superintendent, and boundary between phase 22 will be cleaned after tie-in
Wind Erosion Control				
Is dust control implemented?	X			
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	X		X	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	X			
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			Construction materials stored on foundation of Bldg 530
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?			X	
Are bagged and boxed materials stored on pallets?			X	
Are hazardous materials and wastes stored in appropriate, labeled containers?			X	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	X			In trailer - office
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?	X			

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?			X	
Is the site free of litter?	X			
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		
If yes, has the Owner/Operator been notified?				
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			Grading/soil-fill/stability fill on schedule
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	X			
General				
Are there any other potential concerns at the site?		X		
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?			X	No storm water
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?				
Did the sampling results indicate that the discharges are causing or contributing to further impairment?			X	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?				
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were the BMPs maintained or replaced?	X			Waddies inspected daily log-needed
Were soil amendments (e.g., gypsum, lime) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?			X	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				

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Visual Inspection Checklist

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	506008
Inspector's Name	Renata Vitoric	Date	09-07-14
Signature	<i>Renata Vitoric</i>	Weather	cloudy/clear; NW 12mph; ↑72°F ↓54°F
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> Weekly <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input type="checkbox"/> Rainy <input checked="" type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	/ /	Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?			X	fencing on perimeter of site where applicable
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?			X	
Are there any non-vegetated areas that may require temporary erosion control?	X			we may at some point but not presently
Is the area where erosion controls are used required free from visible erosion?			X	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			woodless sand bags in place as needed along swales and soil stockpiles
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	X			stockpiles remaining include excess soil, wood, metal, & green debris to be disposed
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	X			
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Tracking Control				
Is the entrance stabilized to prevent tracking	X			
Is the stabilized entrance inspected daily to ensure that it is working properly	X			
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?		X		Edge between phase 1 & 2 will be monitored/checked after asphalt tier in
Wind Erosion Control				
Is dust control implemented?	X			
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			received fuel tank this week. Staged on concrete pad near entrance to site. set up on plastic w/ wadders & sandbags
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			will be done over concrete pad / asphalt
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	X			
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	X			
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			Construction materials stored in Bldg 536
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?		X		
Are bagged and boxed materials stored on pallets?		X		
Are hazardous materials and wastes stored in appropriate, labeled containers?		X		
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	X			In trailer - office
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?	X			

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?			X	
Is the site free of litter?	X			
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		
If yes, has the Owner/Operator been notified?				
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			grading / seawall utility fill on schedule
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	X			
General				
Are there any other potential concerns at the site?		X		
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?			X	No storm water
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?				
Did the sampling results indicate that the discharges are causing or contributing to further impairment?			X	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?				
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were the BMPs maintained or replaced?	X			
Were soil amendments (e.g., gypsum, lime) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?			X	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				

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Visual Inspection Checklist

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	501008
Inspector's Name	Renata Vidoric	Date	09-14-18
Signature	<i>[Signature]</i>	Weather	Clear; W 11 mph; 468°F ↓ 55°F
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> Weekly <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input type="checkbox"/> Rainy <input checked="" type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	Storm Duration (hrs):	
	Time elapsed since last storm (Circle Applicable Units)	Approximate Rainfall Amount (inches)	
	Min. Hr. Days		

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?			X	Fencing on perimeter of site is applicable
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?			X	
Are there any non-vegetated areas that may require temporary erosion control?	X			We may at some point but not presently
Is the area where erosion controls are used required free from visible erosion?			X	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			Ladders/sandbags in place as needed along swales
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	X			All stockpiles loaded out this morning except creosote wood which is staged on concrete pad in Bldg 500 area. Expected load-out soon.
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?		X		
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Tracking Control				
Is the entrance stabilized to prevent tracking	X			
Is the stabilized entrance inspected daily to ensure that it is working properly	X			
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?		X		Edge between phase 1 & 2 will be monitored and closed after asphalt tie in
Wind Erosion Control				
Is dust control implemented?	X			
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	X			
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	X			
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			Construction materials stored in Bldg 530 & 381
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?			X	
Are bagged and boxed materials stored on pallets?			X	
Are hazardous materials and wastes stored in appropriate, labeled containers?	X			
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	X			
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?	X			

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?			X	
Is the site free of litter?	X			
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		
If yes, has the Owner/Operator been notified?				
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			grading/seed and fill/utility fill on schedule
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	X			
General				
Are there any other potential concerns at the site?		X		
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?			X	No storm water
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?				
Did the sampling results indicate that the discharges are causing or contributing to further impairment?			X	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?				
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were the BMPs maintained or replaced?	X			
Were soil amendments (e.g., gypsum, lime) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?			X	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				

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Visual Inspection Checklist

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	501008
Inspector's Name	Renata Vidoric	Date	09/21/18
Signature	<i>Renata Vidoric</i>	Weather	Sunny: 72 ↑ 52 ↓ Wind 6 mph WSW
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input type="checkbox"/> Rainy <input checked="" type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	/	Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	X			Temp fencing on perimeter of parcel
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?				
Are there any non-vegetated areas that may require temporary erosion control?				
Is the area where erosion controls are used required free from visible erosion?				
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	X			note 1*
Are temporary linear sediment barriers free of accumulated litter?	X			
Is the built-up sediment less than 1/3 the height of the barrier?	X			
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	X			only one soil wood stockpile left on concrete foundation in Bldg 500 area
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?		X		expected load-out soon?
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	X			
Are required covers and/or perimeter controls in place?			X	

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Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	X			
Tracking Control				
Is the entrance stabilized to prevent tracking	X			
Is the stabilized entrance inspected daily to ensure that it is working properly	X			
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	X			
Are all paved areas free of visible sediment tracking or other particulate matter?		X		Boundaries between phase 1 & 2 open. Will be cleaned during/after asphalt tie-in
Wind Erosion Control				
Is dust control implemented?	X			
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	X			
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	X			
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	X			
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	X			
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	X			
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	X			
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	X			construction materials stored on Bldg's 381 & 530
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	X			
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?			X	
Are bagged and boxed materials stored on pallets?			X	
Are hazardous materials and wastes stored in appropriate, labeled containers?			X	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	X			In trailer-office
Are temporary containment facilities free of spills and rainwater?	X			
Are temporary containment facilities and bagged/boxed materials covered?	X			

Attachment 5

Visual Inspection Checklist

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?			X	
Is the site free of litter?	X			
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	X			
Is litter from work areas collected and placed in watertight dumpsters?	X			
Are waste management receptacles free of leaks?	X			
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	X			
Are waste management receptacles filled at or beyond capacity?		X		
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?		X		Grading/soil fill on schedule. RV
If yes, has the Owner/Operator been notified?				
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	X			Grading/soil fill on schedule
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	X			
General				
Are there any other potential concerns at the site?		X		
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?			X	no storm water
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?				
Did the sampling results indicate that the discharges are causing or contributing to further impairment?			X	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?				
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?			X	

Attachment 5

Visual Inspection Checklist

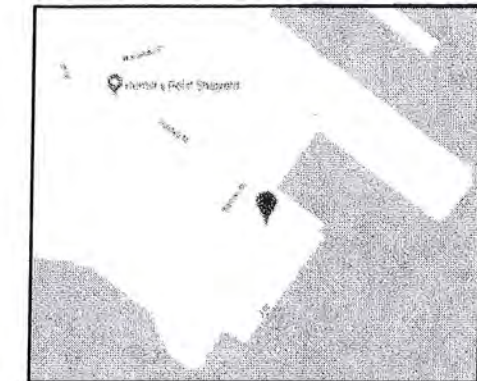
INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were the BMPs maintained or replaced?	X			
Were soil amendments (e.g., gypsum, lime) used on the project?		X		
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?			X	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)			X	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?				

Note 1 ~~sw~~ waddles along Manseaw St. swale removed for work. They were deemed too used to put back. Filter fabric was therefore placed over the outlet cover and sediment barriers were constructed at regular intervals along swale w/ sand bags to prevent run-off.

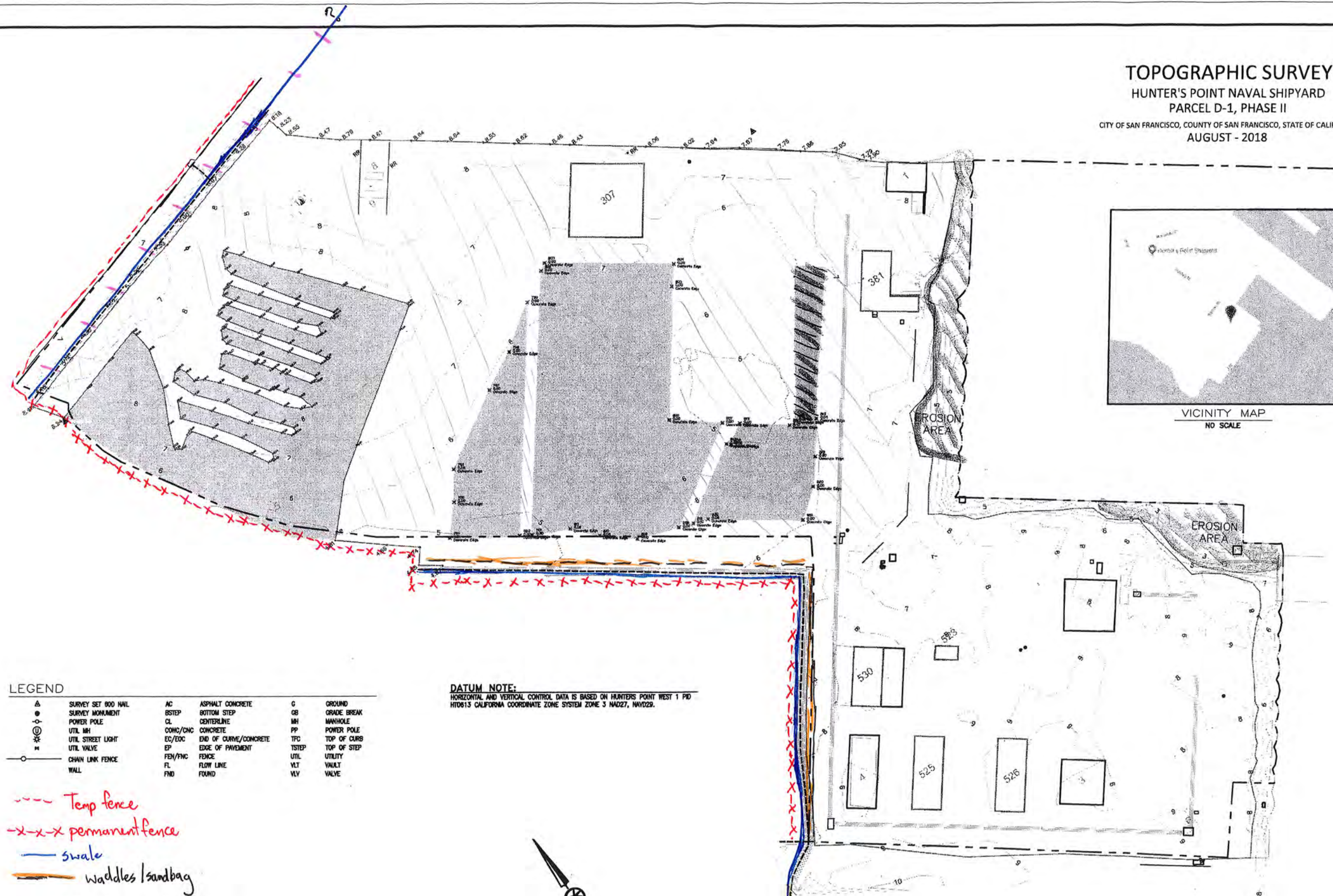
TOPOGRAPHIC SURVEY

HUNTER'S POINT NAVAL SHIPYARD
PARCEL D-1, PHASE II

CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA
AUGUST - 2018



VICINITY MAP
NO SCALE



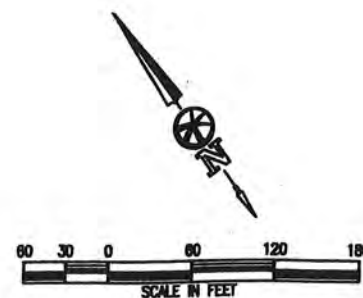
LEGEND

△	SURVEY SET 600 NAIL	AC	ASPHALT CONCRETE	G	GROUND
●	SURVEY MONUMENT	BS/STEP	BOTTOM STEP	GB	GRADE BREAK
○	POWER POLE	CL	CENTERLINE	MH	MANHOLE
⊙	UTIL. MH	COMC/CNC	CONCRETE	PP	POWER POLE
⊛	UTIL. STREET LIGHT	EC/EDC	END OF CURVE/CONCRETE	TPC	TOP OF CURB
⊙	UTIL. VALVE	EP	EDGE OF PAVEMENT	TSTEP	TOP OF STEP
⊙	CHAIN LINK FENCE	FEN/FNC	FENCE	UTIL	UTILITY
⊙	WALL	FL	FLOW LINE	VLV	VALVE
		FND	FOUND		

DATUM NOTE:


HORIZONTAL AND VERTICAL CONTROL DATA IS BASED ON HUNTER'S POINT WEST 1 PID
HT0613 CALIFORNIA COORDINATE ZONE SYSTEM ZONE 3 NAD27, NAVD29.

- Temp fence
- x-x-x permanent fence
- swale
- waddles/sandbag
- sediment barrier in swale
- surveyed subgrade



Bellecci & Associates, Inc.
Civil Engineering • Land Surveying
2290 Diamond Boulevard, Suite 100 Concord, CA 94520
Phone (925) 885-4599 Fax (925) 885-4636

SHEET
OF 1
JOB NO.
18101

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Sep/28/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input type="checkbox"/> Rainy <input checked="" type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Figure 1: Manseau St. Swale




Figure 2: Mahan St. Swale BMPs



Figure 3: Hussey St. Swale BMPs



Figure 4: Hussey St. Fence Line BMPs


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Oct/01/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input checked="" type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Oct/03/2018
Signature		Weather	Rain
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input checked="" type="checkbox"/> After a rain event <input type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SF Bay is impaired for sediment and turbidity
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No illicit discharge observed
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Oct/12/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	9 days Min. Hr. Days	Approximate Rainfall Amount (inches) 0.16

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Oct/19/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	17 days Min. Hr. Days	Approximate Rainfall Amount (inches) 0.16

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Oct/26/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	24 days Min. Hr. Days	Approximate Rainfall Amount (inches) 0.16

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence line
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Nov/02/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	31 days Min. Hr. Days	Approximate Rainfall Amount (inches) 0.16

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence line
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Nov/09/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	38 days Min. Hr. Days	Approximate Rainfall Amount (inches) 0.16

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	




Figure 1: Manseau St. Swale Paving



Figure 2: Manseau St. Swale incoming Tide



Figure 3: Manseau St. Swale Paving Incoming Tide


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Nov/16/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	45 days Min. Hr. Days	Approximate Rainfall Amount (inches) 0.16

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence line
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Nov/20/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input checked="" type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	49 days Min. Hr. Days	Approximate Rainfall Amount (inches) 0.16

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around all swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence line
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Nov/21/2018
Signature		Weather	Rain
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input checked="" type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	Nov/21/2018 01:11	Storm Duration (hrs): 16
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches) 1.0

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence line
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SF bay is impaired with sediment and turbidity
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No illicit discharge observed
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Nov/30/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	24 hrs Min. Hr. Days	Approximate Rainfall Amount (inches) 0.31

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Dec/07/2018
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	17 hrs Min. Hr. Days	Approximate Rainfall Amount (inches) 0.29

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence line
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION				
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California			
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550			
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.		
Inspector's Name	Eddie K. Kalombo	Date	Dec/14/2018	
Signature		Weather	Sunny with trace precipitation	
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____			
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy			
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	Dec/14/2018 10:12	Storm Duration (hrs):	1
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches)	0.03

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale and fence line
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SF bay is impaired for sediment and turbidity
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Dec/21/2018
Signature		Weather	Sunny & early morning showers
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	Dec/21/2018 05:12	Storm Duration (hrs): 2
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (inches) 0.05

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no dust control as parcel is fully paved
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SF Bay is impaired for sediment and turbidity
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No illicit discharge observed
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	no sampling was conducted.
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	


GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Jan/11/2019
Signature		Weather	Rain
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input checked="" type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:	Jan/11/2019 06:01	Storm Duration (hrs): 8
	Time elapsed since last storm (Circle Applicable Units)	24 hrs Min. Hr. Days	Approximate Rainfall Amount (inches) 0.19

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% coverage around all swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	all areas are currently paved with a durable cover
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All Bay Area waterbodies are impaired
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	no illicit discharge observed
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

GENERAL INFORMATION			
Project Name	Parcel D-1 Remedial Action, Hunters Point Shipyard, San Francisco, California		
Project No.	Contract No. N62473-17-D-0006, CTO-N62473-17-F-4550		
Construction Stage	<input checked="" type="checkbox"/> Excavation and Earthmoving <input type="checkbox"/> Inactive Construction	Work Area No.	
Inspector's Name	Eddie K. Kalombo	Date	Jan/18/2019
Signature		Weather	Sunny
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain <input type="checkbox"/> After a rain event <input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Quarterly non-stormwater <input type="checkbox"/> 24-hr intervals during extended rain <input type="checkbox"/> Other _____		
Season (Check Applicable)	<input checked="" type="checkbox"/> Rainy <input type="checkbox"/> Non-Rainy		
Storm Data (www.wrh.noaa.gov)	Storm Start Date & Time:		Storm Duration (hrs):
	Time elapsed since last storm (Circle Applicable Units)	24 hrs Min. Hr. Days	Approximate Rainfall Amount (inches) 0.19

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Erosion Control				
Does the applied temporary erosion control provide 100% coverage for the affected areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100% around swales
Are there any non-vegetated areas that may require temporary erosion control?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the area where erosion controls are used required free from visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temporary Linear Sediment Barriers (Silt Fence, Fiber Rolls, Sandbag Barriers, etc.)				
Are temporary linear sediment barriers properly installed, functional and maintained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	waddles along swale lines
Are temporary linear sediment barriers free of accumulated litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the built-up sediment less than 1/3 the height of the barrier?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stockpiles				
Are all locations of temporary stockpiles (include soil, haz waste, and construction materials) in approved areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are stockpiles located at least 15 m (50 ft) from concentrated flows, downstream drainage courses and storm drain inlets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are required covers and/or perimeter controls in place?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Concentrated Flows				
Are concentrated flow paths free of visible erosion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tracking Control				
Is the entrance stabilized to prevent tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the stabilized entrance inspected daily to ensure that it is working properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are points of ingress/egress to public/private roads inspected and swept and vacuumed as needed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all paved areas free of visible sediment tracking or other particulate matter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Wind Erosion Control				
Is dust control implemented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	water truck and dust monitoring both in place
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If no, are drip pans used?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m (50 ft) away from downstream drainage facilities and watercourses and protected from run-on and runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained for infiltration/ evaporation and disposed of appropriately?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	yes, per daily inspection sheets
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 15 m from concentrated flows and downstream drainage facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	gas cans and motor oil
Are bagged and boxed materials stored on pallets?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are hazardous materials and wastes stored in appropriate, labeled containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities free of spills and rainwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are temporary containment facilities and bagged/boxed materials covered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Is the site free of litter?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are trash receptacles provided in the yard, field trailer areas, and at locations where workers congregate for lunch and break periods?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is litter from work areas collected and placed in watertight dumpsters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles free of leaks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are waste management receptacles filled at or beyond capacity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Illicit Connection/ Discharge				
Is there any evidence of illicit discharges or illegal dumping on the project site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, has the Owner/Operator been notified?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SWPPP Update				
Do the SWPPP and Project Schedule adequately reflect the current site conditions and contractor operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are all BMPs installed in the proper location(s) and according to the details in the SWPPP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General				
Are there any other potential concerns at the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Storm Water Monitoring				
Does storm water discharge directly to a water body listed in the General Permit as impaired for sediment/sedimentation or turbidity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No storms were observed
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did the sampling results indicate that the discharges are causing or contributing to further impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were the erosion/sediment control BMPs improved or maintained to reduce the discharge of sediment to the water body?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were there any BMPs not properly implemented or breaches, malfunctions, leakages or spills observed which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water, were the leaks, breaches, spills, etc. cleaned up and the contaminated soil properly disposed of?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were the BMPs maintained or replaced?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

INSPECTION OF BMPs				
BMP	Yes	No	N/A	Corrective Action/Comments
Were soil amendments (e.g., gypsum, lime) used on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If sampling indicated pollution of the storm water by the use of the soil amendments, is there a contingency plan for retention onsite of the polluted storm water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Did storm water contact stored materials or waste and run off the construction site? (Materials not in watertight containers, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan in the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Appendix E

Air Monitoring Report

(provided on electronic copy only)

AIR MONITORING SUMMARY REPORT
Remedial Action in Parcel D-1
Hunters Point Naval Shipyard
San Francisco, California

Data from August 16, 2018 through November 7, 2018

Contract Number: N62473-17-D-0006
Contract Task Order: N62473-17-F-4550

Prepared for:



Base Realignment and Closure
Program Management Office West Naval Facilities Engineering Command
33000 Nixie Way, Building 50
San Diego, California 92147

Prepared by:

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Figure 1 Air Monitoring Locations

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Table 1 Air Monitoring Threshold Criteria

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Attachment 1 Air Sampling Results

Acronyms and Abbreviations

APTIM	Aptim Federal Services LLC
CB&I	CB&I Federal Services LLC
CFR	Code of Federal Regulations
DCP	dust control plan
EPA	U.S. Environmental Protection Agency
HPNS	Hunters Point Naval Shipyard
L/min	liters per minute
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PM10	particulate matter larger than 10 microns in size
TSP	total suspended particulates
Work Plan	<i>Final Revision 1, Final Remedial Action Work Plan, Remedial Action in Parcel D-1, Hunters Point Naval Shipyard, San Francisco, California</i>

1.0 Introduction

Aptim Federal Services LLC (APTIM) provided environmental remediation services to the U.S. Navy under the Radiological Environmental Multiple Award Contract, Contract No. N62473-17-D-0006, Contract Task Order N62473-17-F-4550. APTIM performed air monitoring at Hunters Point Naval Shipyard (HPNS) in accordance with the Dust Control Plan (DCP) included as Appendix B to the *Final Revision 1, Final Work Plan, Remedial Action Work Plan, Remedial Action in Parcel D-1, Hunters Point Naval Shipyard, San Francisco, California* (Work Plan; CB&I Federal Services LLC [CB&I], 2016). The DCP describes procedures to minimize dust during work activities, and requires air monitoring to ensure these procedures were effective. The DCP helps prevent exposure of residents and construction crews to potential airborne chemicals of concern, and dust from the work area.

This summary report describes the following:

- Where and how air monitoring samples were collected
- What test methods were used to analyze air monitoring samples
- How air monitoring data were evaluated

This summary report presents the air monitoring test results from August 16 through November 7, 2018 and compares the results with the established action levels included in the Work Plan (CB&I, 2016).

2.0 Monitoring Site Locations

Air monitoring stations were mobilized to collect air samples upwind and downwind of work areas for the duration of the project. The predominant wind direction at HPNS is from the west. Locations of air monitoring stations and wind direction are shown on Figure 1. At a minimum, one downwind and one upwind location were used to collect air samples during field activities. Air monitoring was performed to ensure effective dust control. The locations of the air monitoring stations were determined in the Work Plan (CB&I, 2016) based on the prevailing wind direction and were modified as needed. A windsock was used to show wind direction and weather forecasts were checked daily at www.noaa.gov. Monitoring stations remained stationary while sampling was conducted. Each monitoring station included three separate monitoring systems for:

1. Total suspended particulates (TSP) and for arsenic, lead and manganese
2. Particulate matter larger than 10 microns in size (PM10)
3. Asbestos

3.0 Analytical Methods

TSP, Arsenic, Lead, and Manganese. TSP samples were collected with a high-volume (39 to 60 cubic feet per minute) air sampler in accordance with U.S. Environmental Protection Agency's (EPA's) reference sampling method for TSP, described in Title 40 Code of Federal Regulations (CFR), Part 50, Appendix B. Each sample was collected on a filter over an approximately 24-hour period; the filter was then weighed to determine the amount of TSP collected. Once the amount of TSP was determined, the sample was analyzed for arsenic, lead and manganese in accordance with one of the IO-3 methods identified in the *Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air* (EPA, 1999). The equipment specifications and sampling procedures used, including the sampling apparatus, filters, equipment accuracy, equipment calibration, and quality assurance checks, all conform to those specified in the analytical method.

PM10. Air samples were collected and analyzed for PM10 in accordance with EPA's reference sampling method for PM10, described in 40 CFR Part 50, Appendix J. Each sample was collected on a filter over an approximately 24-hour period; the filter was then weighed to evaluate the concentrations of PM10 in ambient air.

Asbestos. Air samples were collected and analyzed for asbestos in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7400, in the *NIOSH Manual of Analytical Methods* (NIOSH, 1994). Method 7400 requires that samples be collected on three-piece cellulose ester filters, which are fitted with conductive cowlings, at a sampling rate of between 0.5 liter per minute (L/min) and 16 L/min.

4.0 Analysis of Dust and Air Monitoring Data

Analytical results from air monitoring samples were compared with the threshold criteria listed in Table 1.

Table 1 Air Monitoring Threshold Criteria

Test Parameters	Threshold Criteria	Basis
PM10	5,000 µg/m ³	Cal/OSHA PEL ^a
TSP	0.5 mg/m ³	Basewide HPNS Level selected to minimize overall permissible dust release from sites
Arsenic	10 µg/m ³	Cal/OSHA PEL
Lead	50 µg/m ³	Cal/OSHA PEL
Manganese	200 µg/m ³	Cal/OSHA PEL
Asbestos	0.1 fiber/cm ³	Cal/OSHA PEL

Notes:

^a – Cal/OSHA PEL for particulates not otherwise regulated (respiratory) used for PM10.

µg/m³ – micrograms per cubic meter

Cal/OSHA – California Occupational Safety and Health Administration

fiber/cm³ – fibers per cubic centimeter

HPNS – Hunters Point Naval Shipyard

mg/m³ – milligrams per cubic meter

PEL – permissible exposure limit

PM10 – particulate matter smaller than 10 microns in diameter

TSP – total suspended particulates

5.0 Air Monitoring Results

Weather information (including ambient pressure and temperature data) and air monitoring results are presented in the tables included as Attachment 1. Data were collected from upwind Station 17 and downwind Station 20 (Figure 1). None of the construction activities exceeded the established threshold limit values at any time during project execution.

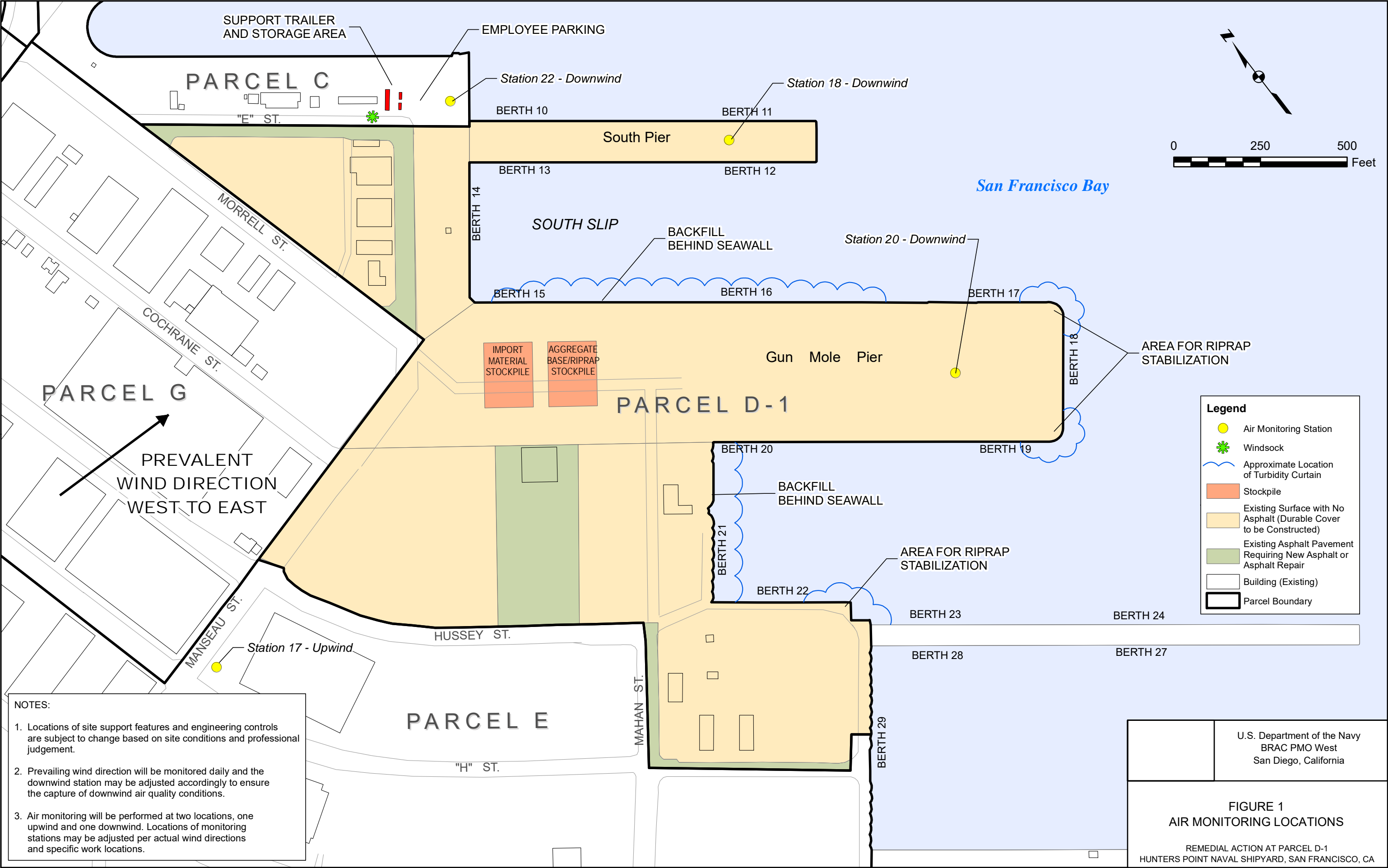
6.0 References

CB&I Federal Services LLC (CB&I), 2016, *Final Revision 1, Final Remedial Action Work Plan, Remedial Action in Parcel D-1, Hunters Point Naval Shipyard, California*, May.

National Institute for Occupational Safety and Health (NIOSH), 1994, *NIOSH Manual of Analytical Methods, Method 7400*, August.

U.S. Environmental Protection Agency (EPA), 1999, *Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air*.

Figure



Attachment 1
Air Sampling Results

Table 1
Ambient Pressure and Temperature Monitoring Results

Sample Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
16-Aug-18	30.06	17.6
17-Aug-18	30.08	17.4
20-Aug-18	29.94	15.8
21-Aug-18	30.01	16.2
22-Aug-18	30.07	18.0
23-Aug-18	30.07	17.6
24-Aug-18	29.99	17.2
27-Aug-18	29.97	18.1
28-Aug-18	29.99	17.8
29-Aug-18	30.01	18.8
30-Aug-18	30.07	18.8
31-Aug-18	30.0	17.22
3-Sep-18	29.9	16.61
4-Sep-18	29.9	17.33
5-Sep-18	30.0	16.39
6-Sep-18	30.1	15.44
7-Sep-18	30.1	17.33
10-Sep-18	29.9	18.39
11-Sep-18	30.0	17.00
12-Sep-18	30.0	16.00
13-Sep-18	30.1	16.78
14-Sep-18	29.95	17.06
17-Sep-18	30.01	15.83
18-Sep-18	29.98	15.89
19-Sep-18	29.91	17.39
20-Sep-18	29.88	21.72
21-Sep-18	29.97	18.33
24-Sep-18	29.89	17.11
25-Sep-18	29.97	15.11
26-Sep-18	30.01	17.72
27-Sep-18	29.97	14.44
28-Sep-18	29.92	15.89
1-Oct-18	29.88	19.50
2-Oct-18	29.86	20.61
3-Oct-18	29.92	20.11
4-Oct-18	30.02	18.17
5-Oct-18	30.08	17.22
8-Oct-18	29.82	21.89
9-Oct-18	29.84	17.17
10-Oct-18	29.84	15.61
11-Oct-18	29.90	17.00
12-Oct-18	29.90	19.56
15-Oct-18	30.12	22.50

Table 1
Ambient Pressure and Temperature Monitoring Results

Sample Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
16-Oct-18	30.10	17.50
17-Oct-18	30.11	16.06
18-Oct-18	30.15	16.56
19-Oct-18	30.12	18.83
22-Oct-18	29.99	14.83
23-Oct-18	30.06	15.39
24-Oct-18	30.08	16.94
25-Oct-18	30.13	17.83
26-Oct-18	30.11	17.83
29-Oct-18	30.19	17.17
30-Oct-18	30.13	16.67
31-Oct-18	30.15	18.72
1-Nov-18	30.15	20.78
2-Nov-18	30.15	18.56
3-Nov-18	30.12	20.61
4-Nov-18	30.04	14.94
5-Nov-18	29.99	16.00
6-Nov-18	30.03	17.72
7-Nov-18	30.07	17.72

Notes:

°C - degrees Celsius

in Hg - inches of mercury

Ambient pressure and ambient temperature data were gathered from the wunderground weather website (www.wunderground.com). Data were collected from station KCASANFR348 at 1200.

Table 2
TSP and Metals Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	TSP (mg/m ³)	TSP Exceedance? (Yes/No)	Arsenic (µg/m ³)	Arsenic Exceedance? (Yes/No)	Lead (µg/m ³)	Lead Exceedance? (Yes/No)	Manganese (µg/m ³)	Manganese Exceedance? (Yes/No)
16-Aug-18	Upwind - 17	20.5	0.0016	No	ND	No	0.00063 J	No	0.0012	No
16-Aug-18	Downwind - 20	20.7	0.0254	No	ND	No	0.0027	No	0.0110	No
17-Aug-18	Upwind - 17	6.5	0.0411	No	ND	No	0.0059	No	0.0120	No
17-Aug-18	Downwind - 20	6.3	0.0681	No	ND	No	0.0049	No	0.0330	No
20-Aug-18	Upwind - 17	24.1	0.0008	No	ND	No	0.00038 J	No	0.00069 J	No
20-Aug-18	Downwind - 20	24.1	0.0100	No	ND	No	0.0013	No	0.0053	No
21-Aug-18	Upwind - 17	24.0	0.0005	No	ND	No	0.00058 J	No	0.0010	No
21-Aug-18	Downwind - 20	24.0	0.0057	No	ND	No	0.00089 J	No	0.0035	No
22-Aug-18	Upwind - 17	23.9	0.0035	No	ND	No	0.00082 J	No	0.0037	No
22-Aug-18	Downwind - 20	24.0	0.0542	No	ND	No	0.0031	No	0.0100	No
23-Aug-18	Upwind - 17	24.0	0.0135	No	ND	No	0.0013	No	0.0041	No
23-Aug-18	Downwind - 20	24.0	0.0026	No	ND	No	0.00045 J	No	0.0019	No
24-Aug-18	Upwind - 17	6.5	0.0739	No	ND	No	0.0062	No	0.0300	No
24-Aug-18	Downwind - 20	6.3	0.0088	No	ND	No	0.0019 J	No	0.0075	No
27-Aug-18	Upwind - 17	24.0	0.0166	No	ND	No	0.0019	No	0.0055	No
27-Aug-18	Downwind - 20	24.0	0.0025	No	ND	No	0.00068 J	No	0.0020	No
28-Aug-18	Upwind - 17	24.0	0.0275	No	ND	No	0.0024	No	0.0093	No
28-Aug-18	Downwind - 20	24.1	0.0018	No	ND	No	0.00053 J	No	0.0017	No
29-Aug-18	Upwind - 17	24.0	0.0237	No	ND	No	0.0044	No	0.0100	No
29-Aug-18	Downwind - 20	23.9	0.0013	No	ND	No	0.00067 J	No	0.0024	No
30-Aug-18	Upwind - 17	24.0	0.0073	No	ND	No	0.0011	No	0.0029	No
30-Aug-18	Downwind - 20	24.0	0.0011	No	ND	No	0.0004 J	No	0.0011	No
31-Aug-18	Upwind - 17	6.4	0.0094	No	ND	No	0.0021 J	No	0.0041	No
31-Aug-18	Downwind - 20	6.4	0.0345	No	ND	No	0.0040	No	0.0150	No
4-Sep-18	Upwind - 17	24.0	0.0034	No	ND	No	0.00035 J	No	0.00078 J	No
4-Sep-18	Downwind - 20	24.0	0.0035	No	ND	No	0.00061 J	No	0.0044	No
5-Sep-18	Upwind - 17	24.1	ND	No	ND	No	0.00036 J	No	0.0010	No
5-Sep-18	Downwind - 20	24.1	0.0045	No	ND	No	0.00078 J	No	0.0037	No
6-Sep-18	Upwind - 17	23.9	0.0045	No	ND	No	0.0018	No	0.0035	No
6-Sep-18	Downwind - 20	23.9	ND	No	ND	No	0.0005 J	No	0.0017	No
7-Sep-18	Upwind - 17	6.6	0.1076	No	ND	No	0.0110	No	0.0270	No
7-Sep-18	Downwind - 20	6.7	0.0096	No	ND	No	0.0022 J	No	0.0110	No
10-Sep-18	Upwind - 17	24.1	0.0325	No	ND	No	0.0037	No	0.0087	No
10-Sep-18	Downwind - 20	24.1	0.0041	No	ND	No	0.00075 J	No	0.0044	No
11-Sep-18	Upwind - 17	23.8	0.0357	No	ND	No	0.0075	No	0.0140	No
11-Sep-18	Downwind - 20	23.7	0.0026	No	ND	No	0.0012	No	0.0041	No
12-Sep-18	Upwind - 17	24.1	0.0234	No	ND	No	0.0057	No	0.0095	No
12-Sep-18	Downwind - 20	24.1	0.0008	No	ND	No	0.0012	No	0.0040	No
13-Sep-18	Upwind - 17	24.0	ND	No	ND	No	0.00091 J	No	0.0026	No
13-Sep-18	Downwind - 20	24.0	ND	No	ND	No	0.00042 J	No	0.0010	No
14-Sep-18	Upwind - 17	6.5	ND	No	ND	No	0.0015 J	No	0.0031 J	No
14-Sep-18	Downwind - 20	6.5	0.0023	No	ND	No	0.0290	No	0.0180	No
17-Sep-18	Upwind - 17	24.1	0.0255	No	ND	No	0.0051	No	0.0092	No
17-Sep-18	Downwind - 20	24.0	0.0040	No	ND	No	0.0012	No	0.0043	No
18-Sep-18	Upwind - 17	23.9	0.0214	No	ND	No	0.0025	No	0.0075	No

Table 2
TSP and Metals Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	TSP (mg/m ³)	TSP Exceedance? (Yes/No)	Arsenic (µg/m ³)	Arsenic Exceedance? (Yes/No)	Lead (µg/m ³)	Lead Exceedance? (Yes/No)	Manganese (µg/m ³)	Manganese Exceedance? (Yes/No)
18-Sep-18	Downwind - 20	24.0	0.0031	No	ND	No	0.00077 J	No	0.0030	No
19-Sep-18	Upwind - 17	24.1	0.0343	No	ND	No	0.0051	No	0.0130	No
19-Sep-18	Downwind - 20	23.9	0.0051	No	ND	No	0.0012	No	0.0050	No
20-Sep-18	Upwind - 17	23.9	0.0281	No	0.0004 J	No	0.0054	No	0.0230	No
20-Sep-18	Downwind - 20	24.0	ND	No	ND	No	0.00083 J	No	0.0050	No
21-Sep-18	Upwind - 17	7.0	0.0669	No	ND	No	0.0150	No	0.0330	No
21-Sep-18	Downwind - 20	7.0	0.0068	No	ND	No	0.0025 J	No	0.0076	No
24-Sep-18	Upwind - 17	0.0	Note 1	N/A	Note 1	N/A	Note 1	N/A	Note 1	N/A
24-Sep-18	Downwind - 20	0.0	Note 1	N/A	Note 1	N/A	Note 1	N/A	Note 1	N/A
25-Sep-18	Upwind - 17	0.0	Note 1	N/A	Note 1	N/A	Note 1	N/A	Note 1	N/A
25-Sep-18	Downwind - 20	0.0	Note 1	N/A	Note 1	N/A	Note 1	N/A	Note 1	N/A
26-Sep-18	Upwind - 17	0.0	Note 1	N/A	Note 1	N/A	Note 1	N/A	Note 1	N/A
26-Sep-18	Downwind - 20	0.0	Note 1	N/A	Note 1	N/A	Note 1	N/A	Note 1	N/A
27-Sep-18	Upwind - 17	24.0	0.0185	No	ND	No	0.0030	No	0.0110	No
27-Sep-18	Downwind - 20	24.0	0.0065	No	ND	No	0.0011	No	0.0056	No
28-Sep-18	Upwind - 17	6.9	0.0169	No	ND	No	0.0064	No	0.0140	No
28-Sep-18	Downwind - 20	6.8	ND	No	ND	No	0.001 J	No	0.0053	No
1-Oct-18	Upwind - 17	24.1	0.0216	No	ND	No	0.0073	No	0.0100	No
1-Oct-18	Downwind - 20	24.1	0.0032	No	ND	No	0.0014	No	0.0022	No
2-Oct-18	Upwind - 17	0.0	Note 2	N/A	Note 2	N/A	Note 2	N/A	Note 2	N/A
2-Oct-18	Downwind - 20	0.0	Note 2	N/A	Note 2	N/A	Note 2	N/A	Note 2	N/A
3-Oct-18	Upwind - 17	24.1	ND	No	ND	No	0.00069 J	No	0.0019	No
3-Oct-18	Downwind - 20	24.1	0.0158	No	ND	No	0.0067	No	0.0088	No
4-Oct-18	Upwind - 17	24.0	0.0226	No	ND	No	0.0030	No	0.0083	No
4-Oct-18	Downwind - 20	23.9	0.0031	No	ND	No	0.00041 J	No	0.0023	No
5-Oct-18	Upwind - 17	6.7	0.0253	No	ND	No	0.0038	No	0.0130	No
5-Oct-18	Downwind - 20	6.8	ND	No	ND	No	0.0012 J	No	0.0037	No
8-Oct-18	Upwind - 17	24.1	0.0342	No	ND	No	0.0081	No	0.0150	No
8-Oct-18	Downwind - 20	24.0	0.0021	No	ND	No	0.0012	No	0.0027	No
9-Oct-18	Upwind - 17	24.0	0.0401	No	ND	No	0.0067	No	0.0170	No
9-Oct-18	Downwind - 20	23.9	0.0116	No	ND	No	0.0015	No	0.0092	No
10-Oct-18	Upwind - 17	24.0	0.0284	No	ND	No	0.0046	No	0.0100	No
10-Oct-18	Downwind - 20	24.0	0.0044	No	ND	No	0.0017	No	0.0031	No
11-Oct-18	Upwind - 17	24.0	0.0292	No	ND	No	0.0036	No	0.0120	No
11-Oct-18	Downwind - 20	24.0	0.0028	No	ND	No	0.00059 J	No	0.0024	No
12-Oct-18	Upwind - 17	6.9	0.0231	No	ND	No	0.0044	No	0.0180	No
12-Oct-18	Downwind - 20	7.0	ND	No	ND	No	0.0013 J	No	0.0046	No
15-Oct-18	Upwind - 17	24.0	0.0552	No	ND	No	0.0044	No	0.0320	No
15-Oct-18	Downwind - 20	24.0	0.0054	No	ND	No	0.0006 J	No	0.0032	No
16-Oct-18	Upwind - 17	24.0	0.0028	No	ND	No	0.00041 J	No	0.0009	No
16-Oct-18	Downwind - 20	24.0	0.0058	No	ND	No	0.00059 J	No	0.0026	No
17-Oct-18	Upwind - 17	24.1	0.0283	No	ND	No	0.0025	No	0.0100	No
17-Oct-18	Downwind - 20	24.1	0.0040	No	ND	No	0.00053 J	No	0.0021	No
18-Oct-18	Upwind - 17	24.0	ND	No	ND	No	0.00034 J	No	0.00052 J	No
18-Oct-18	Downwind - 20	23.9	0.0044	No	ND	No	0.00051 J	No	0.0026	No

Table 2
TSP and Metals Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	TSP (mg/m ³)	TSP Exceedance? (Yes/No)	Arsenic (µg/m ³)	Arsenic Exceedance? (Yes/No)	Lead (µg/m ³)	Lead Exceedance? (Yes/No)	Manganese (µg/m ³)	Manganese Exceedance? (Yes/No)
19-Oct-18	Upwind - 17	6.8	0.0275	No	ND	No	0.0033	No	0.0120	No
19-Oct-18	Downwind - 20	7.0	ND	No	ND	No	0.001 J	No	0.0029 J	No
22-Oct-18	Upwind - 17	24.0	0.0211	No	ND	No	0.0028	No	0.0082	No
22-Oct-18	Downwind - 20	24.0	0.0028	No	ND	No	0.0005 J	No	0.0027	No
23-Oct-18	Upwind - 17	24.1	0.0189	No	ND	No	0.0053	No	0.0072	No
23-Oct-18	Downwind - 20	24.1	0.0029	No	ND	No	0.00074 J	No	0.0023	No
24-Oct-18	Upwind - 17	24.0	0.0263	No	ND	No	0.0038	No	0.0110	No
24-Oct-18	Downwind - 20	24.0	0.0069	No	ND	No	0.00069 J	No	0.0046	No
25-Oct-18	Upwind - 17	23.9	0.0208	No	ND	No	0.0021	No	0.0083	No
25-Oct-18	Downwind - 20	24.0	0.0041	No	ND	No	0.00045 J	No	0.0021	No
26-Oct-18	Upwind - 17	7.0	0.0273	No	ND	No	0.0038	No	0.0210	No
26-Oct-18	Downwind - 20	7.1	ND	No	ND	No	0.0014 J	No	0.0028 J	No
29-Oct-18	Upwind - 17	24.0	0.0044	No	ND	No	0.00081 J	No	0.0020	No
29-Oct-18	Downwind - 20	24.0	0.0087	No	ND	No	0.0021	No	0.0086	No
30-Oct-18	Upwind - 17	24.1	ND	No	ND	No	0.00034 J	No	0.0015	No
30-Oct-18	Downwind - 20	24.1	0.0089	No	ND	No	0.0042	No	0.0180	No
31-Oct-18	Upwind - 17	24.0	ND	No	ND	No	0.001 J	No	0.0027 J	No
31-Oct-18	Downwind - 20	24.1	0.0371	No	ND	No	0.0053	No	0.0210	No
1-Nov-18	Upwind - 17	24.0	ND	No	ND	No	0.00065 J	No	0.0037	No
1-Nov-18	Downwind - 20	23.9	0.0263	No	ND	No	0.0060	No	0.0180	No
2-Nov-18	Upwind - 17	7.1	ND	No	ND	No	0.0011	No	0.0025	No
2-Nov-18	Downwind - 20	7.0	0.0309	No	ND	No	0.0082	No	0.0170	No
5-Nov-18	Upwind - 17	24.0	0.0027	No	ND	No	0.00046 J	No	0.0034	No
5-Nov-18	Downwind - 20	24.0	0.0276	No	ND	No	0.0027	No	0.0076	No
6-Nov-18	Upwind - 17	24.1	0.0046	No	ND	No	0.00066 J	No	0.0020	No
6-Nov-18	Downwind - 20	24.0	0.0318	No	ND	No	0.0046	No	0.0110	No
7-Nov-18	Upwind - 17	24.0	0.0069	No	ND	No	0.0010	No	0.0032	No
7-Nov-18	Downwind - 20	24.1	0.0217	No	ND	No	0.0031	No	0.0120	No

Notes:

¹ - Sample results are not available due to temporary equipment malfunction.

Sample locations are shown on Figure 1.

The threshold criteria are as follows: TSP = 0.5 mg/m³, arsenic = 10 µg/m³, lead = 50 µg/m³, manganese = 200 µg/m³.

The detection limit for TSP is 0.06 µg/m³ assuming a minimum sample volume of 1,600 m³. The detection limits for arsenic, lead and manganese are 16 ng/m³ assuming minimum sample volumes of 1,600 m³.

mg/m³ - milligrams per cubic meter

µg/m³ - micrograms per cubic meter

ng/m³ - nanograms per cubic meter

N/A - not applicable

ND - not detected

TSP - total suspended particulates

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Note 1 - Sample not collected due to no earth moving activities on site.

Note 2 - Sample not collected due to inclement conditions: Rain.

Table 3
PM10 Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	PM10 ($\mu\text{g}/\text{m}^3$)	PM10 Exceedance? (Yes/No)
16-Aug-18	Upwind - 17	20.5	21	No
16-Aug-18	Downwind - 20	20.7	29	No
17-Aug-18	Upwind - 17	6.5	54	No
17-Aug-18	Downwind - 20	6.3	63	No
20-Aug-18	Upwind - 17	24.1	14	No
20-Aug-18	Downwind - 20	24.1	16	No
21-Aug-18	Upwind - 17	24.0	16	No
21-Aug-18	Downwind - 20	24.0	18	No
22-Aug-18	Upwind - 17	23.9	35	No
22-Aug-18	Downwind - 20	24.0	25	No
23-Aug-18	Upwind - 17	24.0	4.7	No
23-Aug-18	Downwind - 20	24.0	7	No
24-Aug-18	Upwind - 17	6.5	25	No
24-Aug-18	Downwind - 20	6.3	33	No
27-Aug-18	Upwind - 17	24.0	6.2	No
27-Aug-18	Downwind - 20	24.0	8.1	No
28-Aug-18	Upwind - 17	24.0	13	No
28-Aug-18	Downwind - 20	24.1	11	No
29-Aug-18	Upwind - 17	24.0	4.7	No
29-Aug-18	Downwind - 20	23.9	5.1	No
30-Aug-18	Upwind - 17	24.0	2.2	No
30-Aug-18	Downwind - 20	24.0	2.2	No
31-Aug-18	Upwind - 17	6.4	81	No
31-Aug-18	Downwind - 20	6.4	80	No
4-Sep-18	Upwind - 17	24.0	11	No
4-Sep-18	Downwind - 20	24.0	5	No
5-Sep-18	Upwind - 17	24.1	3.9	No
5-Sep-18	Downwind - 20	24.1	6.2	No
6-Sep-18	Upwind - 17	23.9	0.77	No
6-Sep-18	Downwind - 20	23.9	ND	No
7-Sep-18	Upwind - 17	6.6	ND	No
7-Sep-18	Downwind - 20	6.7	40	No
10-Sep-18	Upwind - 17	24.1	ND	No
10-Sep-18	Downwind - 20	24.1	4	No
11-Sep-18	Upwind - 17	23.8	ND	No
11-Sep-18	Downwind - 20	23.7	6	No
12-Sep-18	Upwind - 17	24.1	ND	No
12-Sep-18	Downwind - 20	24.1	3.2	No
13-Sep-18	Upwind - 17	24.0	ND	No
13-Sep-18	Downwind - 20	24.0	ND	No
14-Sep-18	Upwind - 17	6.5	ND	No
14-Sep-18	Downwind - 20	6.5	ND	No
17-Sep-18	Upwind - 17	24.1	ND	No

Table 3
PM10 Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	PM10 ($\mu\text{g}/\text{m}^3$)	PM10 Exceedance? (Yes/No)
17-Sep-18	Downwind - 20	24.0	13	No
18-Sep-18	Upwind - 17	23.9	0.54	No
18-Sep-18	Downwind - 20	24.0	22	No
19-Sep-18	Upwind - 17	24.1	ND	No
19-Sep-18	Downwind - 20	23.9	0.38	No
20-Sep-18	Upwind - 17	23.9	ND	No
20-Sep-18	Downwind - 20	24.0	32.0	No
21-Sep-18	Upwind - 17	7.0	ND	No
21-Sep-18	Downwind - 20	7.0	35.00	No
24-Sep-18	Upwind - 17	0.0	Note 1	N/A
24-Sep-18	Downwind - 20	0.0	Note 1	N/A
25-Sep-18	Upwind - 17	0.0	Note 1	N/A
25-Sep-18	Downwind - 20	0.0	Note 1	N/A
26-Sep-18	Upwind - 17	0.0	Note 1	N/A
26-Sep-18	Downwind - 20	0.0	Note 1	N/A
27-Sep-18	Upwind - 17	24.0	0.9	No
27-Sep-18	Downwind - 20	24.0	15.0	No
28-Sep-18	Upwind - 17	6.9	ND	No
28-Sep-18	Downwind - 20	6.8	8.6	No
1-Oct-18	Upwind - 17	24.1	ND	No
1-Oct-18	Downwind - 20	24.1	26	No
2-Oct-18	Upwind - 17	0.0	Note 2	N/A
2-Oct-18	Downwind - 20	0.0	Note 2	N/A
3-Oct-18	Upwind - 17	24.1	9.3	No
3-Oct-18	Downwind - 20	24.1	ND	No
4-Oct-18	Upwind - 17	24.0	ND	No
4-Oct-18	Downwind - 20	23.9	7.7	No
5-Oct-18	Upwind - 17	6.7	ND	No
5-Oct-18	Downwind - 20	6.8	10	No
8-Oct-18	Upwind - 17	24.1	ND	No
8-Oct-18	Downwind - 20	24.0	16	No
9-Oct-18	Upwind - 17	24.0	ND	No
9-Oct-18	Downwind - 20	23.9	22	No
10-Oct-18	Upwind - 17	24.0	0.84	No
10-Oct-18	Downwind - 20	24.0	23	No
11-Oct-18	Upwind - 17	24.0	ND	No
11-Oct-18	Downwind - 20	24.0	21	No
12-Oct-18	Upwind - 17	6.9	ND	No
12-Oct-18	Downwind - 20	7.0	45	No
15-Oct-18	Upwind - 17	24.0	ND	No
15-Oct-18	Downwind - 20	24.0	21	No
16-Oct-18	Upwind - 17	24.0	ND	No
16-Oct-18	Downwind - 20	24.0	12.0	No

Table 3
PM10 Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	PM10 ($\mu\text{g}/\text{m}^3$)	PM10 Exceedance? (Yes/No)
17-Oct-18	Upwind - 17	24.1	0.5	No
17-Oct-18	Downwind - 20	24.1	17.00	No
18-Oct-18	Upwind - 17	24.0	ND	No
18-Oct-18	Downwind - 20	23.9	18.0	No
19-Oct-18	Upwind - 17	6.8	ND	No
19-Oct-18	Downwind - 20	7.0	30.0	No
22-Oct-18	Upwind - 17	24.0	ND	No
22-Oct-18	Downwind - 20	24.0	10.0	No
23-Oct-18	Upwind - 17	24.1	ND	No
23-Oct-18	Downwind - 20	24.1	8.2	No
24-Oct-18	Upwind - 17	24.0	13.0	No
24-Oct-18	Downwind - 20	24.0	ND	No
25-Oct-18	Upwind - 17	23.9	16	No
25-Oct-18	Downwind - 20	24.0	ND	No
26-Oct-18	Upwind - 17	7.0	26	No
26-Oct-18	Downwind - 20	7.1	ND	No
29-Oct-18	Upwind - 17	24.0	17	No
29-Oct-18	Downwind - 20	24.0	ND	No
30-Oct-18	Upwind - 17	24.1	7.8	No
30-Oct-18	Downwind - 20	24.1	ND	No
31-Oct-18	Upwind - 17	24.0	10	No
31-Oct-18	Downwind - 20	24.1	ND	No
1-Nov-18	Upwind - 17	24.0	25	No
1-Nov-18	Downwind - 20	23.9	ND	No
2-Nov-18	Upwind - 17	7.1	27	No
2-Nov-18	Downwind - 20	7.0	ND	No
5-Nov-18	Upwind - 17	24.0	21	No
5-Nov-18	Downwind - 20	24.0	0.46	No

Table 3
PM10 Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	PM10 ($\mu\text{g}/\text{m}^3$)	PM10 Exceedance? (Yes/No)
6-Nov-18	Upwind - 17	24.1	19	No
6-Nov-18	Downwind - 20	24.0	ND	No
7-Nov-18	Upwind - 17	24.0	27	No
7-Nov-18	Downwind - 20	24.1	ND	No

Notes:

¹ - Sample results are not available due to temporary equipment malfunction.

Sample locations are shown on Figure 1.

The threshold value for PM10 is 5,000 $\mu\text{g}/\text{m}^3$.

The detection limit for PM10 is 0.06 $\mu\text{g}/\text{m}^3$ assuming a minimum sample volume of 1,600 m^3 .

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

N/A - not applicable

ND - not detected

PM10 - particulate matter smaller than 10 microns in diameter

Note 1 - Sample not collected due to no earth moving activities on site

Note 2 - Sample not collected due to inclement conditions: Rain.

Table 4
Asbestos Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm³)	Asbestos Exceedance? (Yes/No)
16-Aug-18	Upwind - 17	20.5	< 0.001	No
16-Aug-18	Downwind - 20	20.7	< 0.001	No
17-Aug-18	Upwind - 17	6.5	< 0.003	No
17-Aug-18	Downwind - 20	6.3	< 0.004	No
20-Aug-18	Upwind - 17	24.1	< 0.001	No
20-Aug-18	Downwind - 20	24.1	< 0.001	No
21-Aug-18	Upwind - 17	24.0	< 0.001	No
21-Aug-18	Downwind - 20	24.0	< 0.001	No
22-Aug-18	Upwind - 17	23.9	< 0.001	No
22-Aug-18	Downwind - 20	24.0	< 0.001	No
23-Aug-18	Upwind - 17	24.0	< 0.001	No
23-Aug-18	Downwind - 20	24.0	< 0.001	No
24-Aug-18	Upwind - 17	6.5	< 0.003	No
24-Aug-18	Downwind - 20	6.3	< 0.004	No
27-Aug-18	Upwind - 17	24.0	< 0.001	No
27-Aug-18	Downwind - 20	24.0	< 0.001	No
28-Aug-18	Upwind - 17	24.0	< 0.001	No
28-Aug-18	Downwind - 20	24.1	< 0.001	No
29-Aug-18	Upwind - 17	24.0	< 0.001	No
29-Aug-18	Downwind - 20	23.9	< 0.001	No
30-Aug-18	Upwind - 17	24.0	< 0.001	No
30-Aug-18	Downwind - 20	24.0	< 0.001	No
31-Aug-18	Upwind - 17	6.4	< 0.003	No
31-Aug-18	Downwind - 20	6.4	< 0.004	No
4-Sep-18	Upwind - 17	24.0	< 0.001	No
4-Sep-18	Downwind - 20	24.0	< 0.001	No
5-Sep-18	Upwind - 17	24.1	< 0.001	No
5-Sep-18	Downwind - 20	24.1	< 0.001	No
6-Sep-18	Upwind - 17	23.9	< 0.001	No
6-Sep-18	Downwind - 20	23.9	< 0.001	No
7-Sep-18	Upwind - 17	6.6	< 0.003	No
7-Sep-18	Downwind - 20	6.7	< 0.003	No
10-Sep-18	Upwind - 17	24.1	< 0.001	No
10-Sep-18	Downwind - 20	24.1	< 0.001	No
11-Sep-18	Upwind - 17	23.8	< 0.001	No
11-Sep-18	Downwind - 20	23.7	< 0.001	No
12-Sep-18	Upwind - 17	24.1	< 0.001	No
12-Sep-18	Downwind - 20	24.1	< 0.001	No
13-Sep-18	Upwind - 17	24.0	< 0.001	No
13-Sep-18	Downwind - 20	24.0	< 0.001	No
14-Sep-18	Upwind - 17	6.5	< 0.003	No
14-Sep-18	Downwind - 20	6.5	< 0.003	No

Table 4
Asbestos Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm³)	Asbestos Exceedance? (Yes/No)
17-Sep-18	Upwind - 17	24.1	< 0.001	No
17-Sep-18	Downwind - 20	24.0	< 0.001	No
18-Sep-18	Upwind - 17	23.9	< 0.001	No
18-Sep-18	Downwind - 20	24.0	< 0.001	No
19-Sep-18	Upwind - 17	24.1	< 0.001	No
19-Sep-18	Downwind - 20	23.9	< 0.001	No
20-Sep-18	Upwind - 17	23.9	< 0.001	No
20-Sep-18	Downwind - 20	24.0	< 0.001	No
21-Sep-18	Upwind - 17	7.0	< 0.003	No
21-Sep-18	Downwind - 20	7.0	< 0.003	No
24-Sep-18	Upwind - 17	Note 1	Note 1	N/A
24-Sep-18	Downwind - 20	Note 1	Note 1	N/A
25-Sep-18	Upwind - 17	Note 1	Note 1	N/A
25-Sep-18	Downwind - 20	Note 1	Note 1	N/A
26-Sep-18	Upwind - 17	Note 1	Note 1	N/A
26-Sep-18	Downwind - 20	Note 1	Note 1	N/A
27-Sep-18	Upwind - 17	24.0	< 0.001	No
27-Sep-18	Downwind - 20	24.0	< 0.001	No
28-Sep-18	Upwind - 17	6.9	< 0.003	No
28-Sep-18	Downwind - 20	6.8	< 0.003	No
1-Oct-18	Upwind - 17	24.1	< 0.001	No
1-Oct-18	Downwind - 20	24.1	< 0.001	No
2-Oct-18	Upwind - 17	Note 2	Note 2	N/A
2-Oct-18	Downwind - 20	Note 2	Note 2	N/A
3-Oct-18	Upwind - 17	24.1	< 0.001	No
3-Oct-18	Downwind - 20	24.1	< 0.001	No
4-Oct-18	Upwind - 17	24.0	< 0.001	No
4-Oct-18	Downwind - 20	23.9	< 0.001	No
5-Oct-18	Upwind - 17	6.7	< 0.003	No
5-Oct-18	Downwind - 20	6.8	< 0.003	No
8-Oct-18	Upwind - 17	24.1	< 0.001	No
8-Oct-18	Downwind - 20	24.0	< 0.001	No
9-Oct-18	Upwind - 17	24.0	< 0.001	No
9-Oct-18	Downwind - 20	23.9	< 0.001	No
10-Oct-18	Upwind - 17	24.0	< 0.001	No
10-Oct-18	Downwind - 20	24.0	< 0.001	No
11-Oct-18	Upwind - 17	24.0	< 0.001	No
11-Oct-18	Downwind - 20	24.0	< 0.001	No
12-Oct-18	Upwind - 17	6.9	< 0.003	No
12-Oct-18	Downwind - 20	7.0	< 0.003	No
15-Oct-18	Upwind - 17	24.0	< 0.001	No
15-Oct-18	Downwind - 20	24.0	< 0.001	No

Table 4
Asbestos Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm³)	Asbestos Exceedance? (Yes/No)
16-Oct-18	Upwind - 17	24.0	< 0.001	No
16-Oct-18	Downwind - 20	24.0	< 0.001	No
17-Oct-18	Upwind - 17	24.1	< 0.001	No
17-Oct-18	Downwind - 20	24.1	< 0.001	No
18-Oct-18	Upwind - 17	24.0	< 0.001	No
18-Oct-18	Downwind - 20	23.9	< 0.001	No
19-Oct-18	Upwind - 17	6.8	< 0.003	No
19-Oct-18	Downwind - 20	7.0	< 0.003	No
22-Oct-18	Upwind - 17	24.0	< 0.001	No
22-Oct-18	Downwind - 20	24.0	< 0.001	No
23-Oct-18	Upwind - 17	24.1	< 0.001	No
23-Oct-18	Downwind - 20	24.1	< 0.001	No
24-Oct-18	Upwind - 17	24.0	< 0.001	No
24-Oct-18	Downwind - 20	24.0	< 0.001	No
25-Oct-18	Upwind - 17	23.9	< 0.001	No
25-Oct-18	Downwind - 20	24.0	< 0.001	No
26-Oct-18	Upwind - 17	7.0	< 0.003	No
26-Oct-18	Downwind - 20	7.1	< 0.003	No
29-Oct-18	Upwind - 17	24.0	< 0.001	No
29-Oct-18	Downwind - 20	24.0	0.0010	No
30-Oct-18	Upwind - 17	24.1	0.0010	No
30-Oct-18	Downwind - 20	24.1	< 0.001	No
31-Oct-18	Upwind - 17	24.0	< 0.001	No
31-Oct-18	Downwind - 20	24.1	< 0.001	No
1-Nov-18	Upwind - 17	24.0	< 0.001	No
1-Nov-18	Downwind - 20	23.9	< 0.001	No
2-Nov-18	Upwind - 17	7.1	< 0.003	No
2-Nov-18	Downwind - 20	7.0	< 0.003	No
5-Nov-18	Upwind - 17	24.0	< 0.001	No
5-Nov-18	Downwind - 20	24.0	< 0.001	No
6-Nov-18	Upwind - 17	24.1	< 0.001	No

Table 4
Asbestos Monitoring Results

Sample Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm ³)	Asbestos Exceedance? (Yes/No)
6-Nov-18	Downwind - 20	24.0	< 0.001	No
7-Nov-18	Upwind - 17	24.0	< 0.001	No
7-Nov-18	Downwind - 20	24.1	< 0.001	No

Notes:

Sample locations are shown on Figure 1.

The threshold value for asbestos is 0.1 fibers/cm³.

The detection limit is 0.003 fibers/cm³ assuming a minimum sample volume of 900 liters.

fibers/cm³ - fibers per cubic centimeter

N/A - not applicable

ND - Not detected

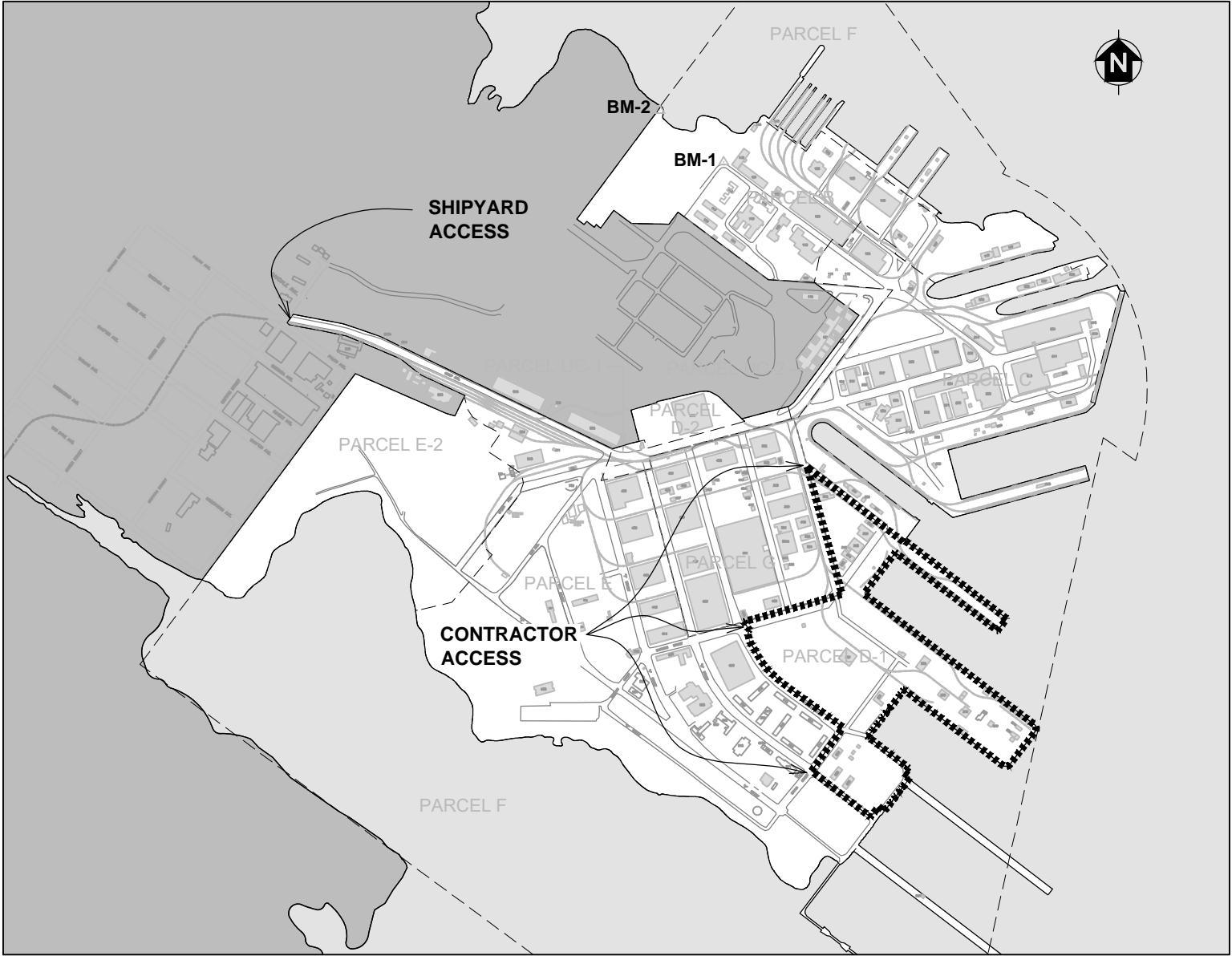
Note 1 - Sample not collected due to no earth moving activities on site

Note 2 - Sample not collected due to inclement conditions: Rain.

Appendix F

Construction As-Builts

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA
PARCEL D-1 (PHASE II) DURABLE COVER
RECORD DRAWINGS



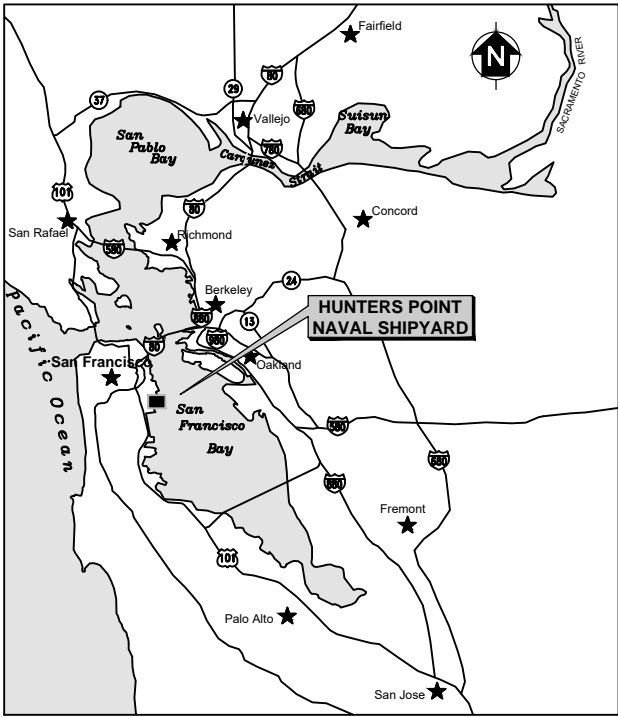
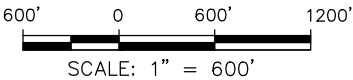
SURVEY BENCHMARKS			
Control Point	Easting	Northing	Elevation
BM-1	1460168.99	453718.89	11.76
BM-2	1459671.50	454121.67	5.81

NOTE: OFF-SITE TOPOGRAPHY HAS BEEN SHOWN AS REFERENCED BUT HAS NOT BEEN TIED TO THE SITE TOPOGRAPHY. EXISTING TOPOGRAPHY ESTIMATED PRECISION ± 1' DUE TO MINOR REGRADING OF THE SITE FOLLOWING AS SHOWN BASELINE SURVEY.

BASIS OF BEARINGS AND ELEVATION

HORIZONTAL : NAD 1927 ZONE-III (HUNTERS POINT WEST 1 PID HT0613) USFT.
VERTICAL : NGVD 29

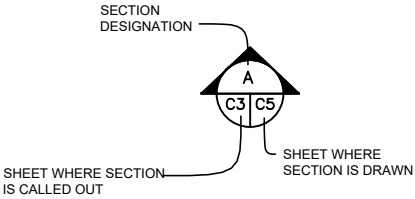
LOCATION MAP



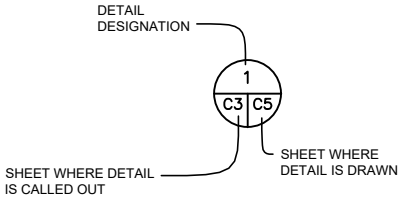
VICINITY MAP
NOT TO SCALE

INDEX OF DRAWINGS


DWG	DESCRIPTION
G1	VICINITY MAP, LOCATION MAP, AND SHEET INDEX
C1	PRE-EXISTING SITE PLAN PHASE II
C2	CLEARING, GRUBBING, AND SURFACE DEBRIS REMOVAL PHASE II
C3	FINAL MONITORING WELLS AND RIPRAP REPAIR AREAS
C4	FINAL GRADING PLAN
C5	DETAILS (1 OF 2)
C6	DETAILS (2 OF 2)



NOTE: SECTIONS ARE CALLED OUT ON FIRST RELEVANT SHEET ONLY.



NOTE: DETAILS ARE CALLED OUT ON FIRST RELEVANT SHEET ONLY.

PREPARED BY: 

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____

RE-HECKED BY: _____
APPROVED BY: _____
DATE: 2-4-19

DESCRIPTION

SYMBOL

PREP BY

DATE

APPROVED

REVISIONS

DEPARTMENT OF THE NAVY

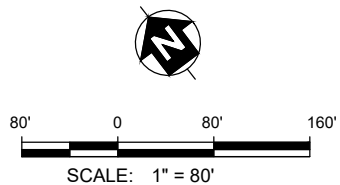
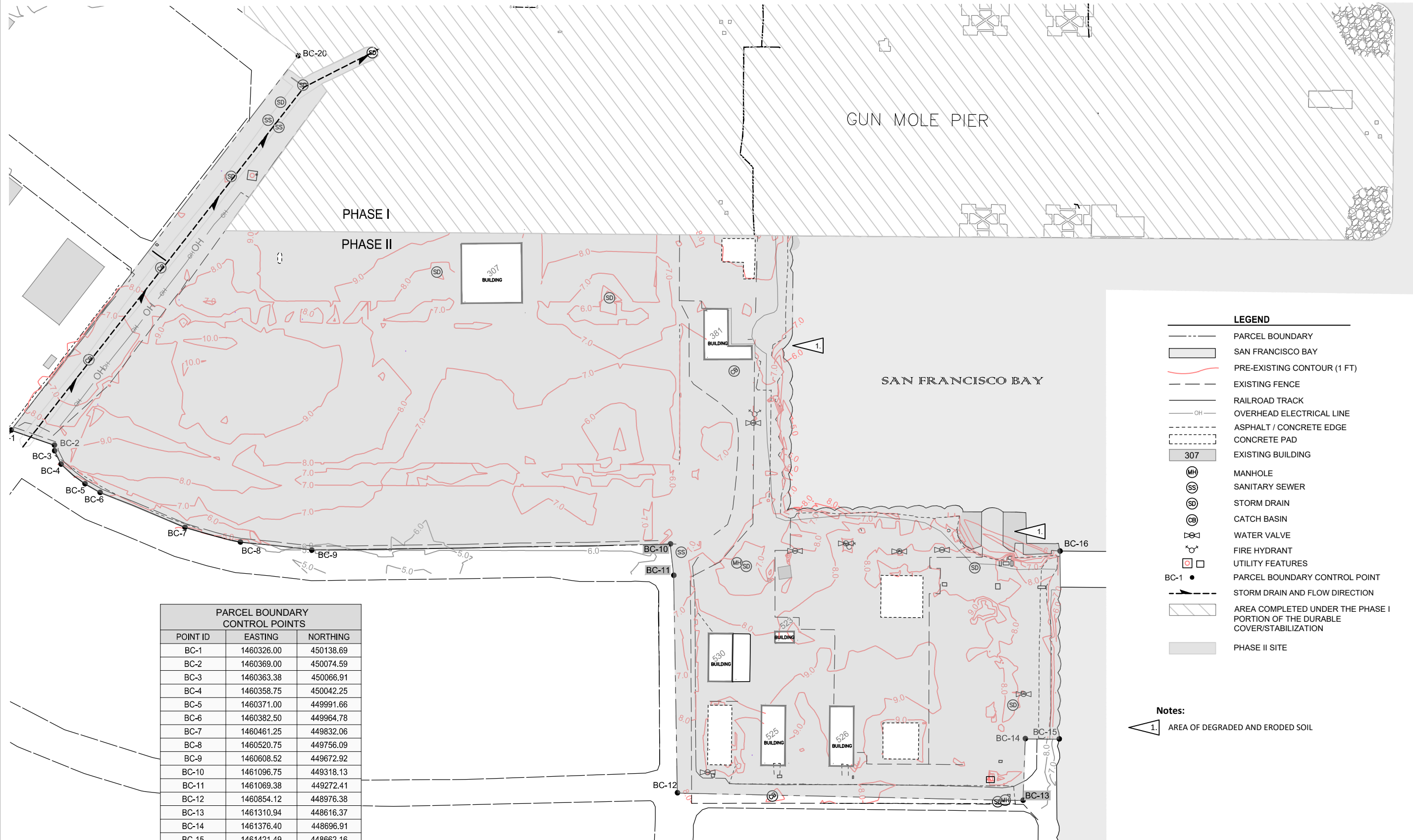
BRAC PMO WEST
SAN DIEGO, CALIFORNIA

NAVAL FACILITIES ENGINEERING COMMAND

PARCEL D-1 DURABLE COVER
VICINITY MAP, LOCATION MAP, AND
SHEET INDEX

FILE NO: 501008-D1
DWG. NO.
G1
SHEET 1 OF 7

S:\CAD\Hunters Point RADMAC\501008 D1 (Phase 2)\501008-D2.dwg 02/11/2019 mike.coyola DN



PREPARED BY:

DESIGNED BY: MA

DRAWN BY: TRS

CHECKED BY: MA

RE- CHECKED BY:

APPROVED BY:

DATE: 2-7-19

APTIM

NAVAL FACILITIES ENGINEERING COMMAND

BRAC PMO WEST

SAN DIEGO, CALIFORNIA

PARCEL D-1 DURABLE COVER

PRE-EXISTING SITE PLAN - PHASE II

FILE NO: 501008-D2

DWG. NO.

C1

SHEET 2 OF 7

SYMBOL

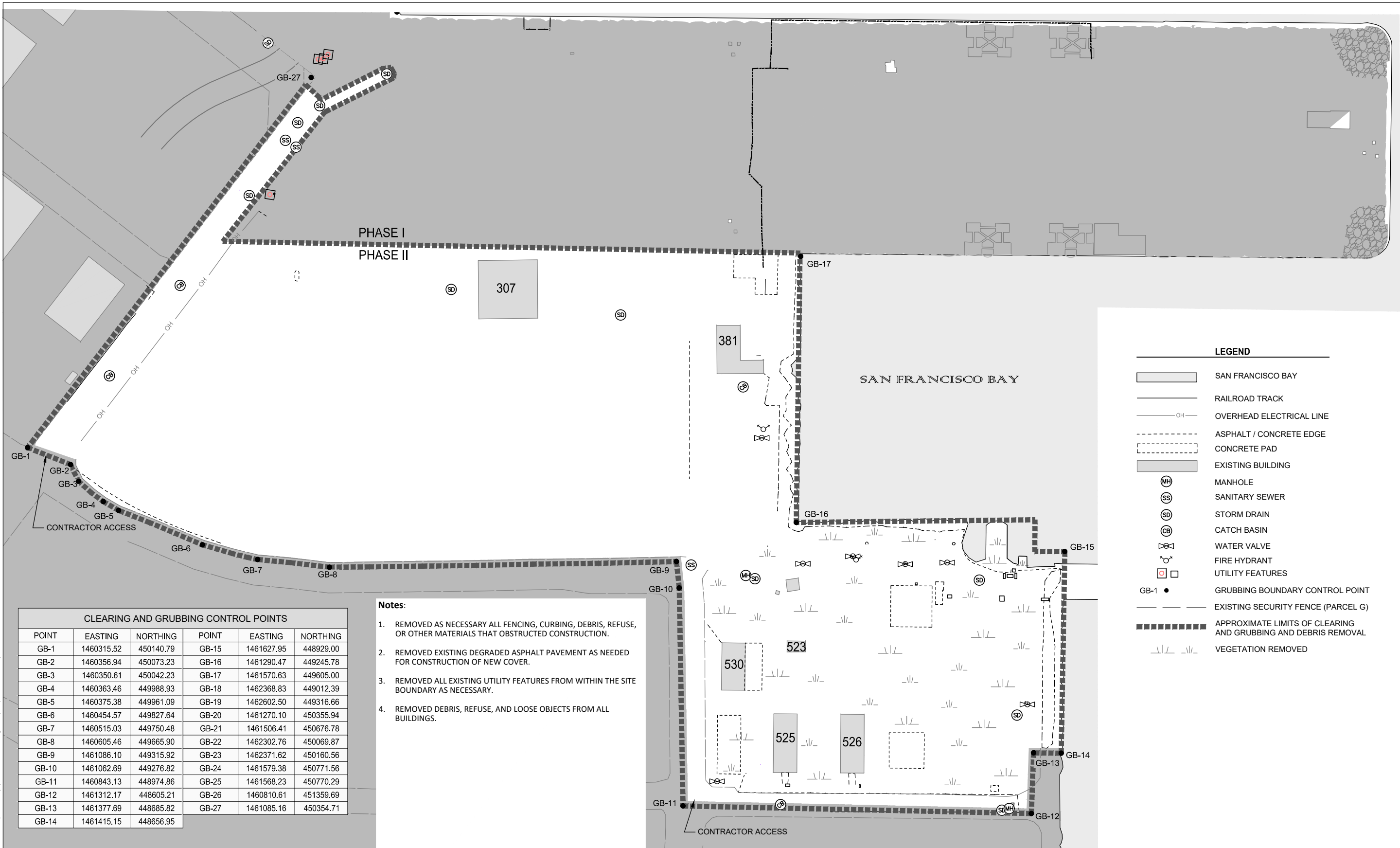
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DATE

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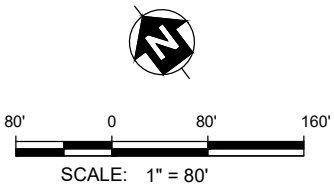
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CLEARING AND GRUBBING CONTROL POINTS					
POINT	EASTING	NORTHING	POINT	EASTING	NORTHING
GB-1	1460315.52	450140.79	GB-15	1461627.95	448929.00
GB-2	1460356.94	450073.23	GB-16	1461290.47	449245.78
GB-3	1460350.61	450042.23	GB-17	1461570.63	449605.00
GB-4	1460363.46	449988.93	GB-18	1462368.83	449012.39
GB-5	1460375.38	449961.09	GB-19	1462602.50	449316.66
GB-6	1460454.57	449827.64	GB-20	1461270.10	450355.94
GB-7	1460515.03	449750.48	GB-21	1461506.41	450676.78
GB-8	1460605.46	449665.90	GB-22	1462302.76	450069.87
GB-9	1461086.10	449315.92	GB-23	1462371.62	450160.56
GB-10	1461062.69	449276.82	GB-24	1461579.38	450771.56
GB-11	1460843.13	448974.86	GB-25	1461568.23	450770.29
GB-12	1461312.17	448605.21	GB-26	1460810.61	451359.69
GB-13	1461377.69	448685.82	GB-27	1461085.16	450354.71
GB-14	1461415.15	448656.95			

- Notes:**
1. REMOVED AS NECESSARY ALL FENCING, CURBING, DEBRIS, REFUSE, OR OTHER MATERIALS THAT OBSTRUCTED CONSTRUCTION.
 2. REMOVED EXISTING DEGRADED ASPHALT PAVEMENT AS NEEDED FOR CONSTRUCTION OF NEW COVER.
 3. REMOVED ALL EXISTING UTILITY FEATURES FROM WITHIN THE SITE BOUNDARY AS NECESSARY.
 4. REMOVED DEBRIS, REFUSE, AND LOOSE OBJECTS FROM ALL BUILDINGS.

- LEGEND**
- SAN FRANCISCO BAY
 - RAILROAD TRACK
 - OVERHEAD ELECTRICAL LINE
 - ASPHALT / CONCRETE EDGE
 - CONCRETE PAD
 - EXISTING BUILDING
 - MANHOLE
 - SANITARY SEWER
 - STORM DRAIN
 - CATCH BASIN
 - WATER VALVE
 - FIRE HYDRANT
 - UTILITY FEATURES
 - GRUBBING BOUNDARY CONTROL POINT
 - EXISTING SECURITY FENCE (PARCEL G)
 - APPROXIMATE LIMITS OF CLEARING AND GRUBBING AND DEBRIS REMOVAL
 - VEGETATION REMOVED



PREPARED BY: **APTIM**

DESIGNED BY: MPA
DRAWN BY: TRS
CHECKED BY: MPA

RE-CHECKED BY:
APPROVED BY: 2-8-19
DATE:

NAVY FACILITIES ENGINEERING COMMAND
BRAC PMO WEST
SAN DIEGO, CALIFORNIA

FILE NO: 501008-D3
DWG. NO.
C2
SHEET 3 OF 7

REVISIONS

PARCEL D-1 DURABLE COVER
CLEARING, GRUBBING, AND SURFACE
DEBRIS REMOVAL PHASE II

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DESIGNED BY: MPA
DRAWN BY: TRS
CHECKED BY: MPA

RE-CHECKED BY:
APPROVED BY:
DATE: 2-8-19

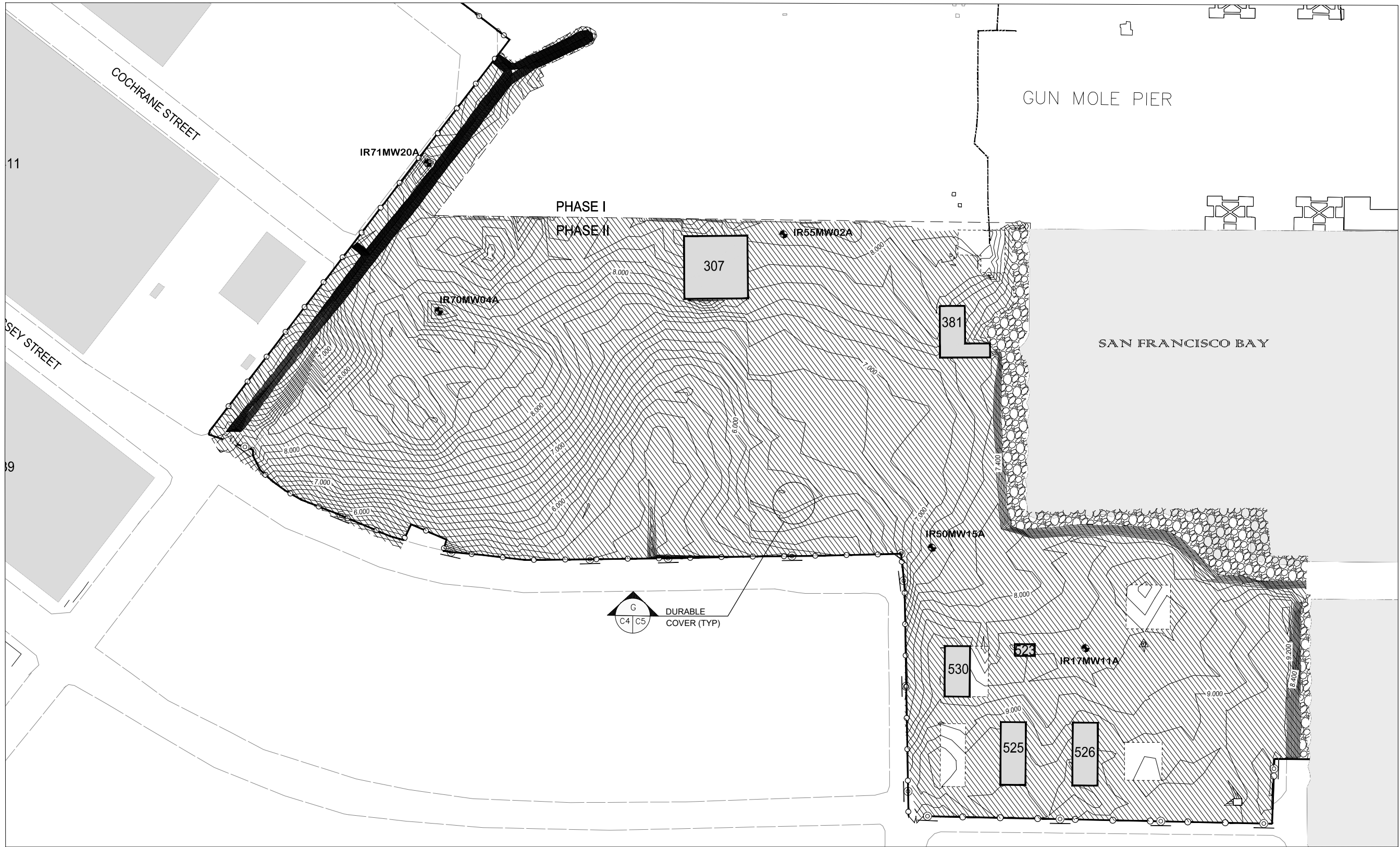
NAVAL FACILITIES ENGINEERING COMMAND
BRAC PMO WEST
SAN DIEGO, CALIFORNIA

PARCEL D-1 DURABLE COVER
FINAL MONITORING WELLS AND
RIPRAP REPAIR AREAS

FILE NO: 501008-D4
DWG. NO.
C3
SHEET 4 OF 7

REVISIONS

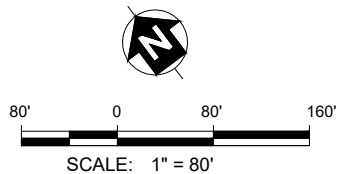
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LEGEND

- SAN FRANCISCO BAY
- EXISTING BUILDING
- ASPHALT SURFACE
- RIPRAP STABILIZATION
- CONCRETE PADS

- SURVEY MONUMENT
- EXISTING MONITORING WELLS
- SITE SECURITY FENCE (PARCEL D-1)
- GATE
- WARNING SIGN



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
BRAC PMO WEST
SAN DIEGO, CALIFORNIA

PARCEL D-1 DURABLE COVER
FINAL GRADING PLAN

FILE NO: 501008-D5

DWG. NO.

C4

SHEET 5 OF 7

PREPARED BY:



DESIGNED BY: MPA

DRAWN BY: TRS

CHECKED BY: MPA

RE-CHECKED BY:

APPROVED BY:

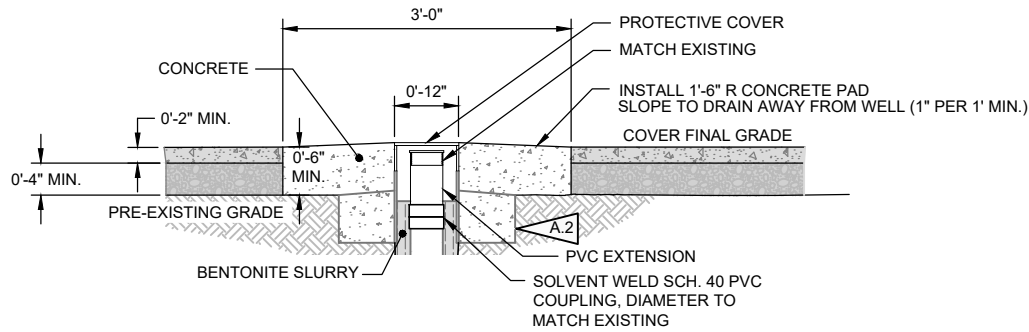
DATE: 2-8-19

SIZE D
IF SHEET IS LESS
THAN 22" X 34"
IT IS A REDUCED
PRINT
SCALE REDUCED
ACCORDINGLY

REVISIONS

SYMBOL	DESCRIPTION	PREP BY	DATE	APPROVED

S:\CAD\Hunters Point RADMAC\501008 D1 (Phase 2)\501008-D6.dwg 02/12/2019 miles.coyote DN



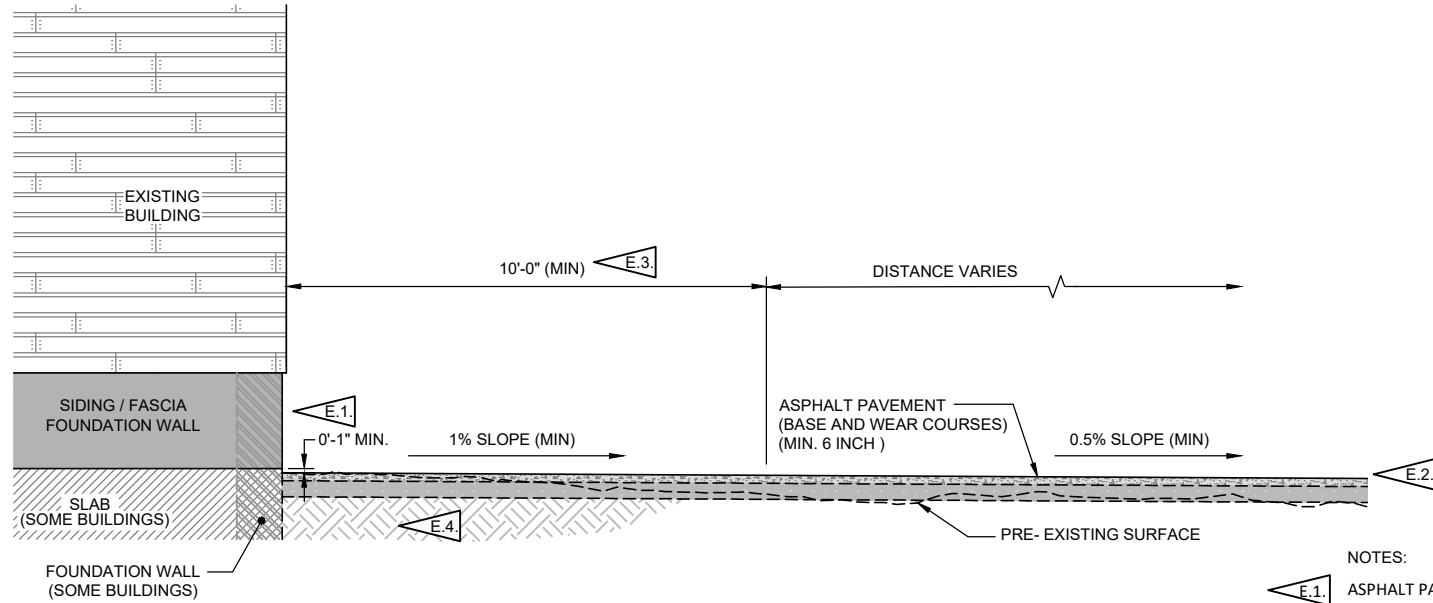
A
C3 C5
FLUSH MOUNTED MONITORING WELL EXTENSION (TYP.)
FOR ALL EXISTING WELLS IRXXMWXX
SCALE: 1" = 1'-0"

NOTE:

A.1. PROTECTED AND EXTENDED ALL MONITORING WELLS.

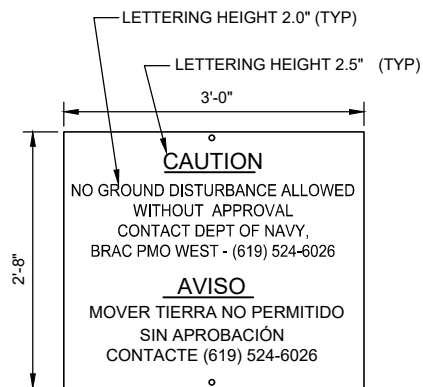
A.2

CONCRETE PADS AND/OR FLUSH MOUNTED PROTECTIVE CASINGS WERE REMOVED AS NEEDED.



E
C3 C5
FINAL GRADE AT BUILDING BUFFER (TYP)
NOT TO SCALE

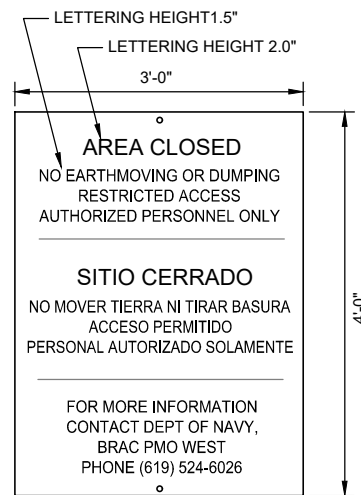
- NOTES:
- E.1.** ASPHALT PAVEMENT DOES NOT OBSTRUCT BUILDING ACCESS. ASPHALT ELEVATION AT LEAST 1 INCH BELOW THE TOP OF FOUNDATION SLAB OR WALL ALONG BUILDING OR ENTRY THRESHOLD.
 - E.2.** MAINTAINED SLOPE AS SHOWN TO EXISTING DRAINAGE FEATURES OR SITE BOUNDARY.
 - E.3.** SLOPE EXTENDED FROM BUILDINGS A MINIMUM OF 10 FEET UNLESS OBSTRUCTED. FOR ADJACENT BUILDINGS LESS THAN 10 FEET DISTANCE, 1% SLOPE DISTANCE WAS SPLIT.
 - E.4.** FILLED AS NEEDED TO ACHIEVE REQUIRED GRADES.



4
C3 C5
WARNING SIGN (TYP)
SCALE: 1" = 1'-0"

NOTE:

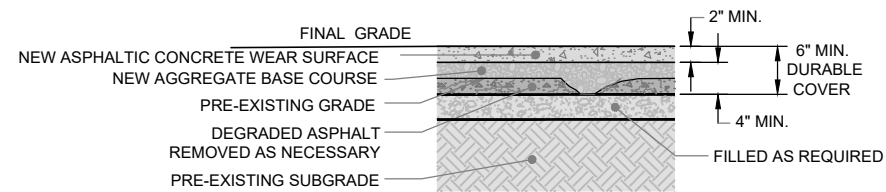
SIGN AFFIXED TO FENCE.



5
C3 C5
ENTRANCE SIGN (TYP)
SCALE: 1" = 1'-0"

NOTE:

SIGN AFFIXED TO GATE AT ENTRY POINTS, WHERE VISIBLE TO ONCOMING VEHICLE AND PEDESTRIAN TRAFFIC.



G
C4 C5
DURABLE COVER CROSS SECTION - NEW CONSTRUCTION(TYP.)
SCALE: 1" = 1'-0"



PREPARED BY:

RE-CHECKED BY:

APPROVED BY:

DATE: 2-7-19

DESIGNED BY:

DRAWN BY:

CHECKED BY:

SIZE D
IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT
SCALE REDUCED ACCORDINGLY

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
BRAC PMO WEST
SAN DIEGO, CALIFORNIA

**PARCEL D-1 DURABLE COVER
DETAILS (1 OF 2)**

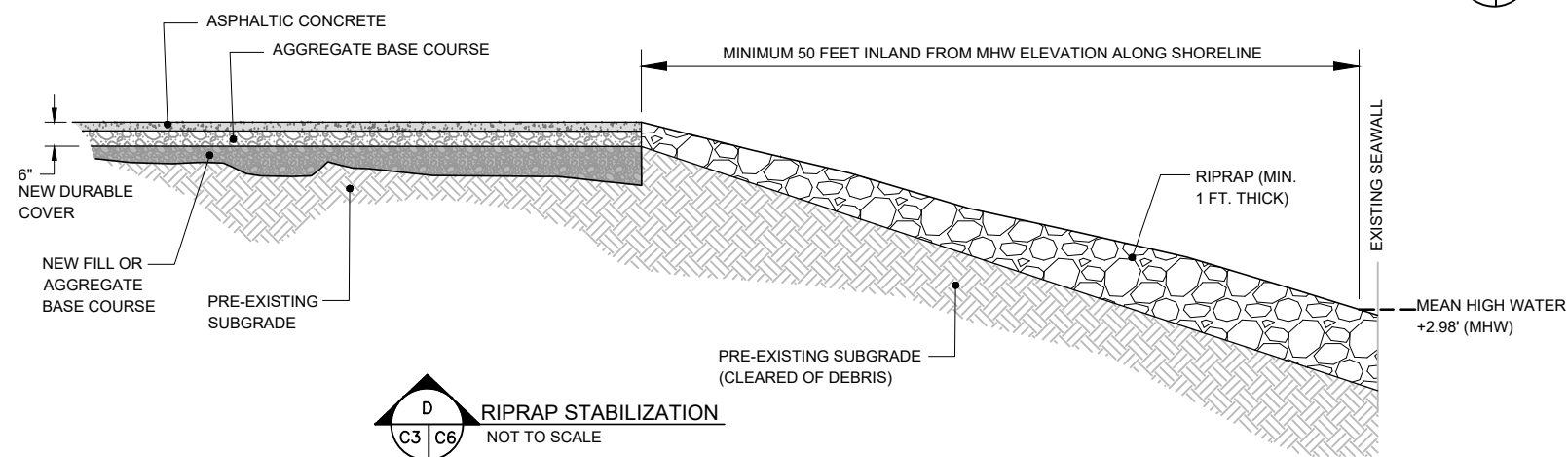
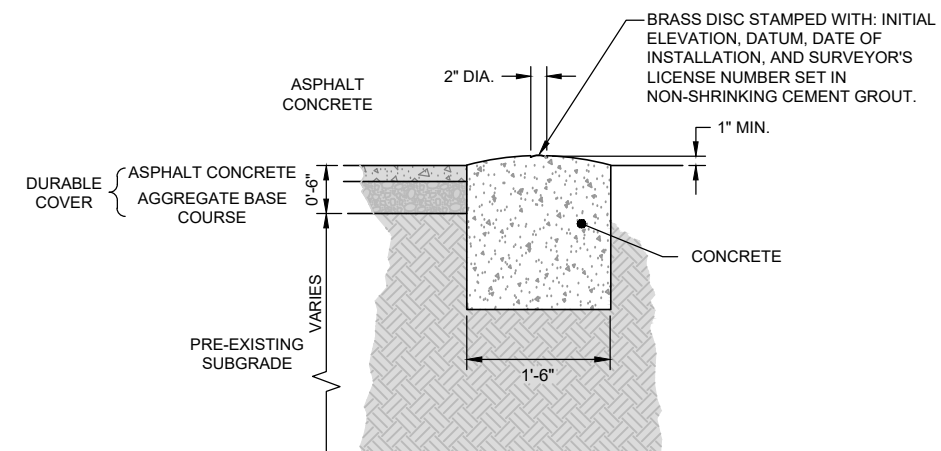
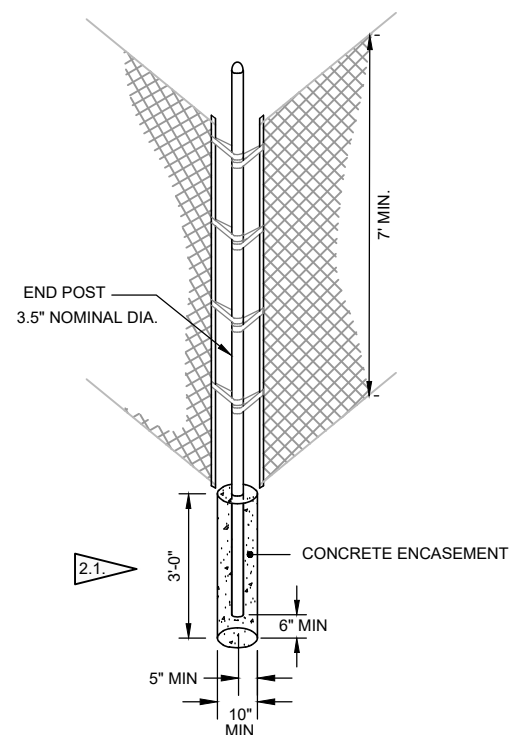
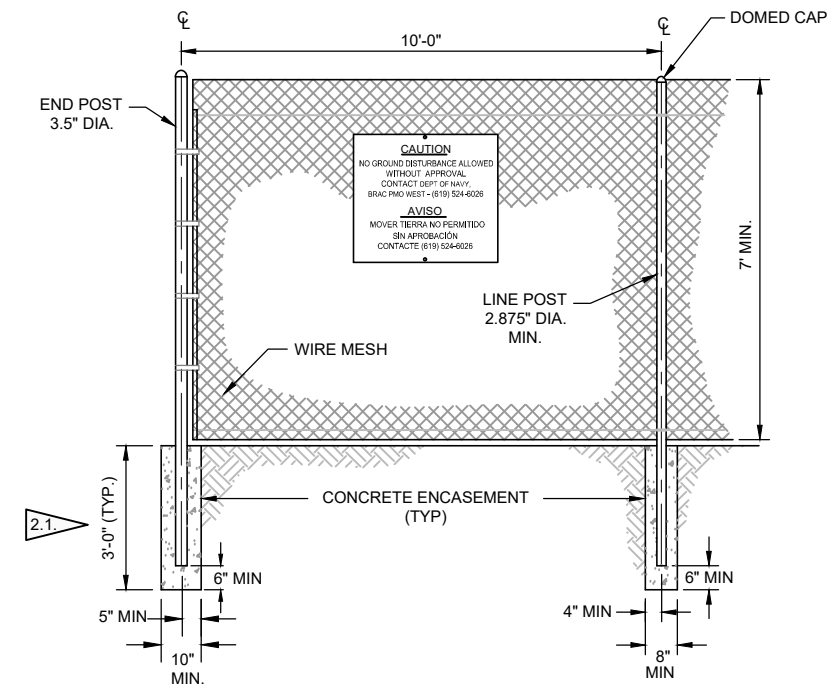
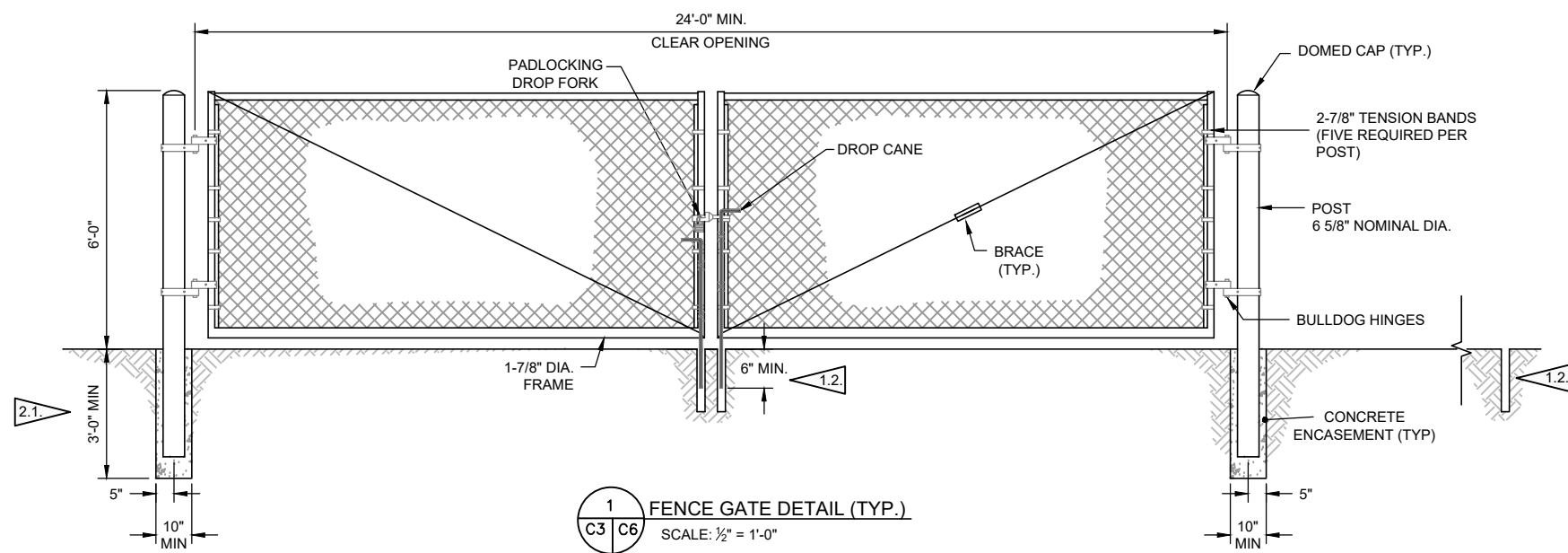
FILE NO: 501008-D6

DWG. NO.

C5

SHEET 6 OF 7

REVISIONS



- FENCE GATE NOTES:

- 1.1. HINGES OFFSET TO ALLOW GATE TO REST FLUSH TO FENCE WHEN OPENED FULLY OUTWARD.
- 1.2. CANE RECEIVERS INSTALLED FOR CLOSED AND FULLY OPEN POSITIONS ALL GATES BOTH SIDES.
- 1.3. GALVANIZED STEEL RECEIVER PIPE EMBEDDED 6" DEEPER THAN END OF DROPPED CANE.

- FENCE POST NOTES:

- 2.1. POST DEPTH IS 2' MAXIMUM IN AREA REQUIRING INSTITUTIONAL CONTROLS FOR RADIOLOGICAL CONTAMINATION.

[illegible]

Appendix G

Photograph Log

PHOTOGRAPH LOG



Photograph 1—Parcel D-1 Phase II, before mobilization, facing east towards Buildings 307, 381, and Gun Mole Pier—July 11, 2018



Photograph 2—Building 381 and Berth 21 before mobilization—July 11, 2018

PHOTOGRAPH LOG



Photograph 3—Asbestos-containing tiles, Building 526—July 11, 2018



Photograph 4—Building 526, before mobilization—July 11, 2018

PHOTOGRAPH LOG



Photograph 5—Installing turbidity curtains—August 13, 2018



Photograph 6—Linking turbidity curtains together—August 13, 2018

PHOTOGRAPH LOG



Photograph 7—Performing utility clearance in Parcel D-1 Phase II—August 13, 2018



Photograph 8—Turbidity curtain tied off—August 13, 2018

PHOTOGRAPH LOG



Photograph 9—Clearing and grubbing activities—August 14, 2018



Photograph 10—Clearing and grubbing activities—August 14, 2018

PHOTOGRAPH LOG



Photograph 11—Dust suppression during clearing and grubbing—August 14, 2018



Photograph 12—Staging metal debris—August 15, 2018

PHOTOGRAPH LOG



Photograph 13—Clearing metal fence—August 15, 2018



Photograph 14—Removing debris from Building 530—August 15, 2018

PHOTOGRAPH LOG



Photograph 15—Clearing debris with dust suppression from outside Building 525—August 16, 2018

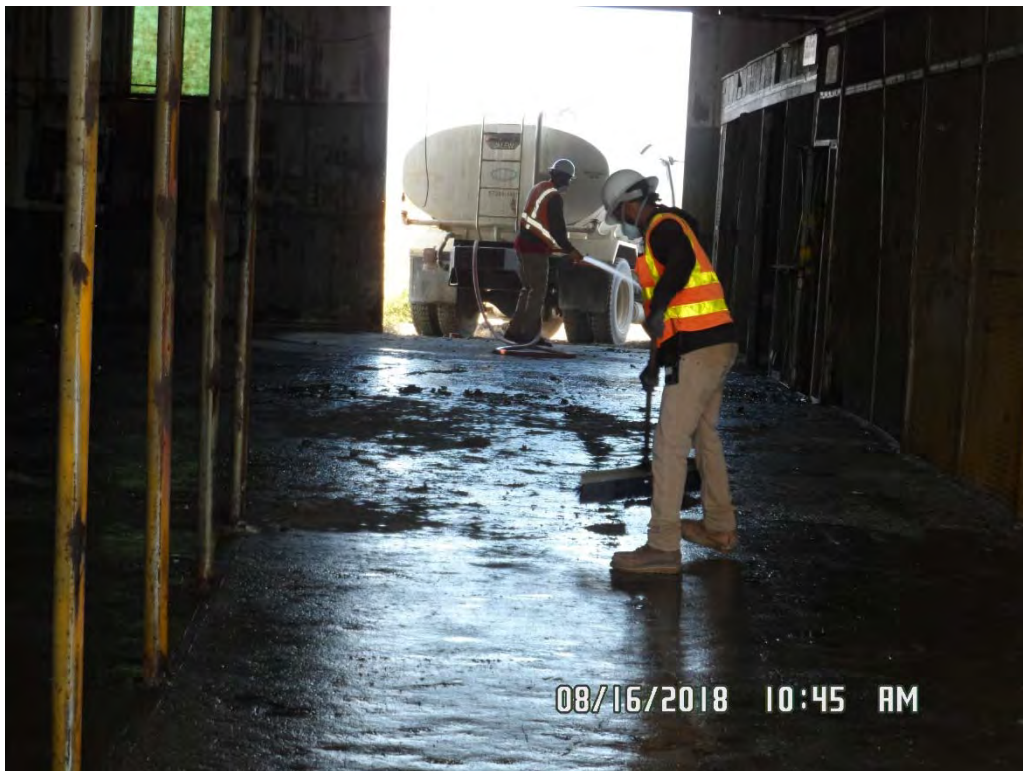


Photograph 16—Clearing large debris—August 16, 2018

PHOTOGRAPH LOG



Photograph 17—Loading debris into bins for offsite disposal—August 16, 2018



Photograph 18—Wetting the floor and sweeping up debris inside of Building 525—August 16, 2018

PHOTOGRAPH LOG



Photograph 19—Chain link fence removal—August 17, 2018



Photograph 20—Dust control on debris pile, Building 381 in background—August 17, 2018

PHOTOGRAPH LOG



Photograph 21—Placing best management practices (BMPs) next to swale—August 17, 2018



Photograph 22—Transporting debris to bins—August 17, 2018

PHOTOGRAPH LOG



Photograph 23—Removing dirt and debris from Building 307—August 17, 2018



Photograph 24—Staging scrap metal—August 17, 2018

PHOTOGRAPH LOG



Photograph 25—Removing debris from Building 307—August 17, 2018



Photograph 26—BMPs in place in Parcel D-1—August 17, 2018

PHOTOGRAPH LOG



Photograph 27—Clearing out Building 307—August 20, 2018



Photograph 28—Subgrade preparation—August 20, 2018

PHOTOGRAPH LOG



Photograph 29—Using road broom to identify existing asphalt surfaces—August 20, 2018



Photograph 30—Applying dust control—August 20, 2018

PHOTOGRAPH LOG



Photograph 31—Clearing and grubbing along Parcel D-1 Phase I/II boundary—August 21, 2018



Photograph 32—Existing asphalt requiring repair, facing northeast towards Building 307—August 21, 2018

PHOTOGRAPH LOG



Photograph 33—Existing asphalt and strip requiring new asphalt, facing south towards Buildings 530, 525, 526, 523—August 21, 2018



Photograph 34—Placing debris into bins for disposal—August 21, 2018

PHOTOGRAPH LOG



Photograph 35—Air monitoring station—August 22, 2018



Photograph 36—Building 523 before clean out and repairs to foundation—August 22, 2018

PHOTOGRAPH LOG



Photograph 37—Subgrade preparation—August 22, 2018



Photograph 38—Subgrade preparation—August 22, 2018

PHOTOGRAPH LOG



Photograph 39—Placing riprap to stabilize (armor) the seawall at Berth 21—August 23, 2018



Photograph 40—Clearing and grubbing in Manseau Street swale—August 23, 2018

PHOTOGRAPH LOG



Photograph 41—Removing wooden light pole—August 27, 2018



Photograph 42—Subgrade preparation—August 27, 2018

PHOTOGRAPH LOG



Photograph 43—Cleaning Building 307—August 28, 2018



Photograph 44—Ceramic Insulators, Building 523—August 28, 2018

PHOTOGRAPH LOG



Photograph 45—Debris bin traveling over tire wash prior to leaving the site—August 29, 2018



Photograph 46—Debris bin traveling through the portal monitor prior to leaving the site—August 29, 2018

PHOTOGRAPH LOG



Photograph 47—Loading trucks with metal debris—August 29, 2018



Photograph 48—Tarping truck after loading bin—August 29, 2018

PHOTOGRAPH LOG



Photograph 49—Placing riprap for seawall stabilization in Berth 22 area—September 4, 2018



Photograph 50—Smooth drum roller compacting subgrade material—September 4, 2018

PHOTOGRAPH LOG



Photograph 51—Gamma walkover survey (GWS) of asphalt area—September 5, 2018



Photograph 52—Field—checking grade—September 6, 2018

PHOTOGRAPH LOG



Photograph 53–GWS–September 11, 2018



Photograph 54–Cleaning out Building 381–September 13, 2018

PHOTOGRAPH LOG



Photograph 55—Subgrade compaction testing—September 13, 2018

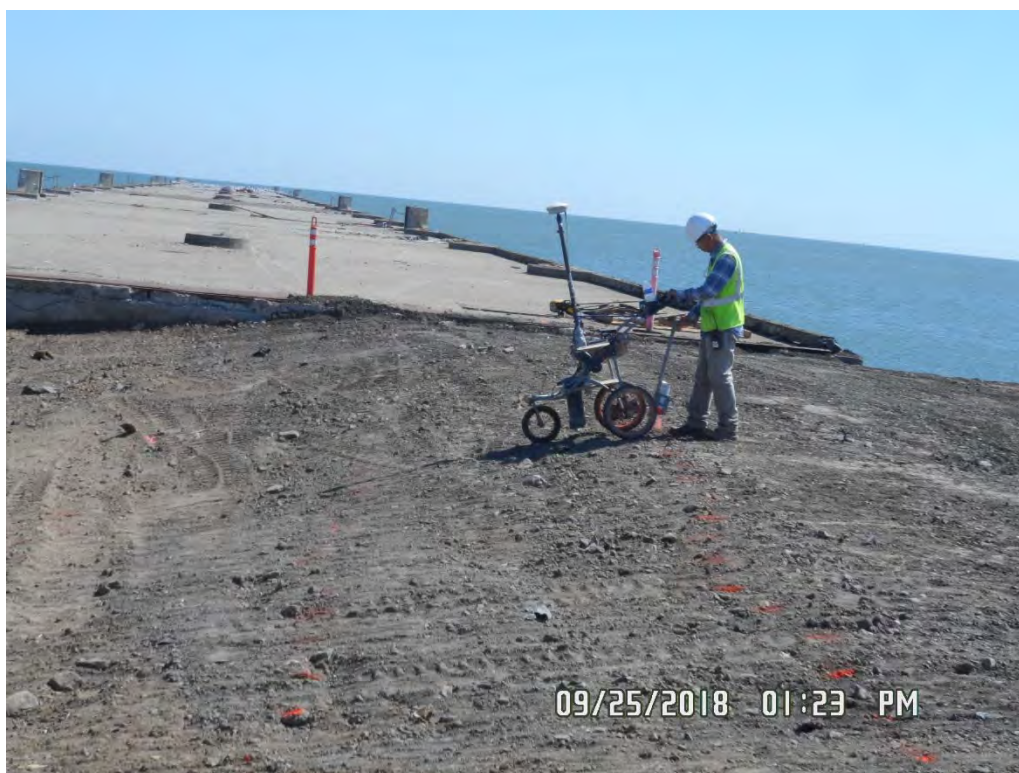


Photograph 56—Placing covers over the openings in Building 523—September 18, 2018

PHOTOGRAPH LOG



Photograph 57—Radiological technician performing follow up surveys—September 21, 2018



Photograph 58—GWS in the Building 500 area—September 25, 2018

PHOTOGRAPH LOG



Photograph 59—Staking area for import of aggregate base (AB) material—September 25, 2018



Photograph 60—Sealing cracks in Building 381—September 26, 2018

PHOTOGRAPH LOG



Photograph 61—Sealing cracks in Building 307—September 26, 2018



Photograph 62—Preparing subgrade in the Building 500 area—September 28, 2018

PHOTOGRAPH LOG



Photograph 63—GWS in erosion area near Building 381—October 1, 2018



Photograph 64—Subgrade preparation, Berth 21 near Building 381—October 1, 2018

PHOTOGRAPH LOG



Photograph 65—Field—checking elevation of riprap—October 3, 2018



Photograph 66—Placing geotextile fabric over subgrade prior to placing riprap—October 3, 2018

PHOTOGRAPH LOG



Photograph 67—Placing riprap—October 3, 2018



Photograph 68—Spreading AB material near Building 307 for subgrade—October 8, 2018

PHOTOGRAPH LOG



Photograph 69—Roller compacting AB near Building 307—October 8, 2018



Photograph 70—Colleting follow-up measurements near Building 523—October 8, 2018

PHOTOGRAPH LOG



Photograph 71—Placing riprap in erosion area at Berth 21—October 9, 2018



Photograph 72—Riprap placed in erosion areas at Berth 21, facing northeast—October 9, 2018

PHOTOGRAPH LOG



Photograph 73—Setting grade stake—October 9, 2018



Photograph 74—Unknown well (potentially IR08MW39A)—October 9, 2018

PHOTOGRAPH LOG



Photograph 75—Placing riprap at Berth 22—October 9, 2018



Photograph 76—High tide, Berth 21—October 10, 2018

PHOTOGRAPH LOG



Photograph 77—Placing riprap at Berth 22—October 10, 2018



Photograph 78—Placing riprap at Berth 23—October 12, 2018

PHOTOGRAPH LOG



Photograph 79—Riprap along Berth 29, facing north—October 12, 2018



Photograph 80—Compacting AB between Building 307 and Hussey St—October 15, 2018

PHOTOGRAPH LOG



Photograph 81—Placing riprap on top of filter fabric along Berth 22, facing east—October 15, 2018



Photograph 82—Shaping the transition between Phase I and Phase II—October 15, 2018

PHOTOGRAPH LOG



Photograph 83—Placing AB at edge of Building 307—October 16, 2018



Photograph 84—Using vibroplate to compact subgrade around Building 307—October 17, 2018

PHOTOGRAPH LOG



Photograph 85—Setting grade of Manseau Street swale—October 19, 2018



Photograph 86—Preparing subgrade at riprap transition, Berth 21—October 19, 2018

PHOTOGRAPH LOG



Photograph 87—Loading wood waste—October 22, 2018



Photograph 88—Placing wood waste into truck for disposal—October 22, 2018

PHOTOGRAPH LOG



Photograph 89—Wetting area for AB placement and compaction, Berth 20—October 24, 2018



Photograph 90—Asphalt delivery near Manseau St. swale, spotter for overhead power lines—October 24, 2018

PHOTOGRAPH LOG



Photograph 91—Riprap at Berth 21, facing south—October 24, 2018



Photograph 92—Crack repair in Building 530—October 25, 2018

PHOTOGRAPH LOG



Photograph 93—Working AB at edges of riprap—October 25, 2018



Photograph 94—Removing excess AB along edges of concrete slab—October 26, 2018

PHOTOGRAPH LOG



Photograph 95—Motor grader working near Mahan and Hussey Streets—October 29, 2018



Photograph 96—Power sweeping existing asphalt—October 29, 2018

PHOTOGRAPH LOG



Photograph 97—Compacting AB on wall of Manseau St. swale—October 31, 2018



Photograph 98—Grading AB in Manseau St swale—November 1, 2018

PHOTOGRAPH LOG



Photograph 99—Compacting AB in Manseau St swale—November 2, 2018



Photograph 100—Leveling and compacting swale—November 2, 2018

PHOTOGRAPH LOG



Photograph 101—Grading Manseau St. swale—November 2, 2018



Photograph 102—Compacting asphalt in Manseau St. swale—November 5, 2018

PHOTOGRAPH LOG



Photograph 103—Grinding edge of existing asphalt—November 5, 2018

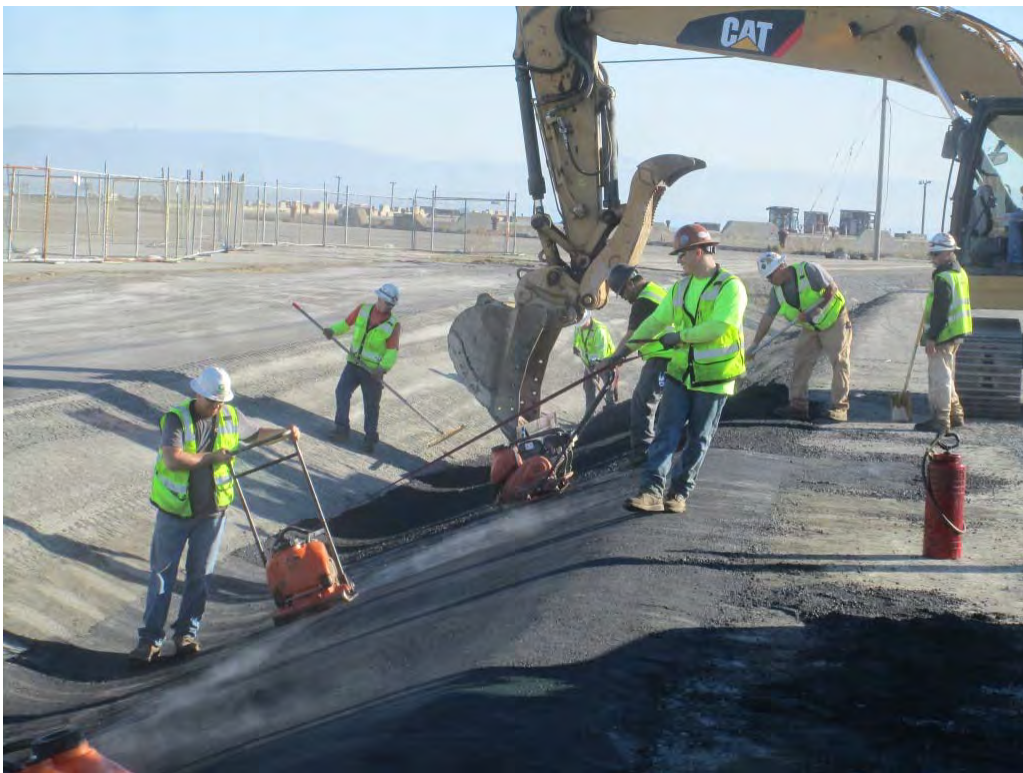


Photograph 104—Placing asphalt in Manseau St. swale – November 5, 2018

PHOTOGRAPH LOG



Photograph 105—Compactor rolling asphalt near Berth 21—November 6, 2018



Photograph 106—Placing and compacting asphalt in Manseau St swale—November 6, 2018

PHOTOGRAPH LOG

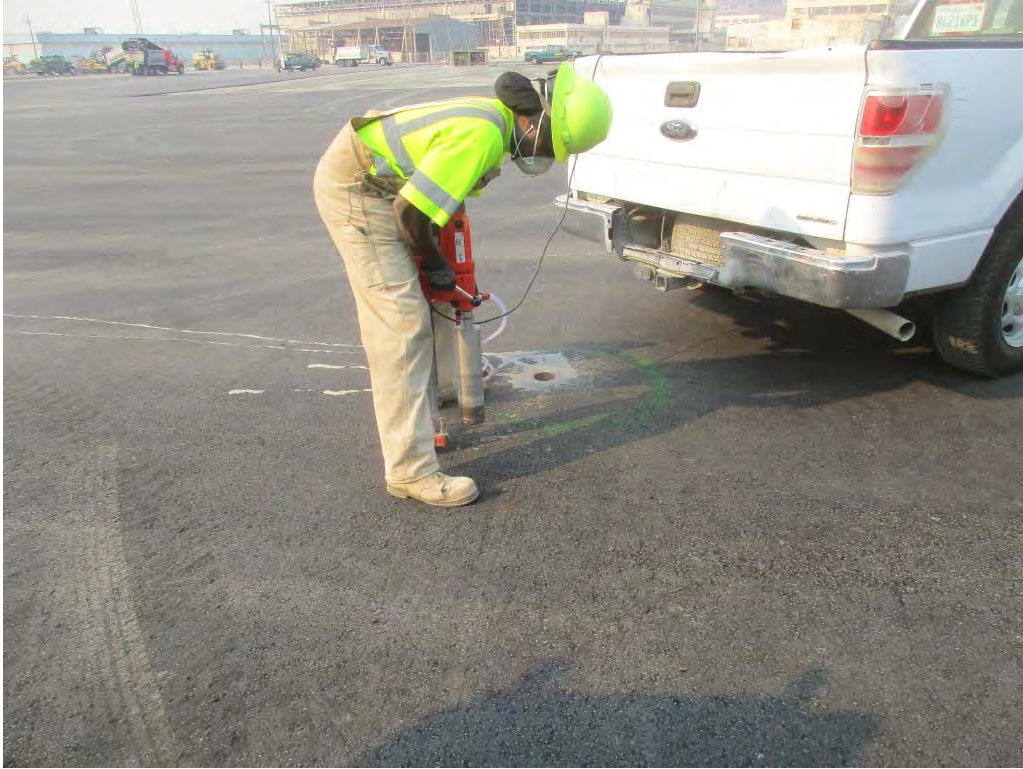


Photograph 107—Density testing asphalt with nuclear gauge—November 7, 2018

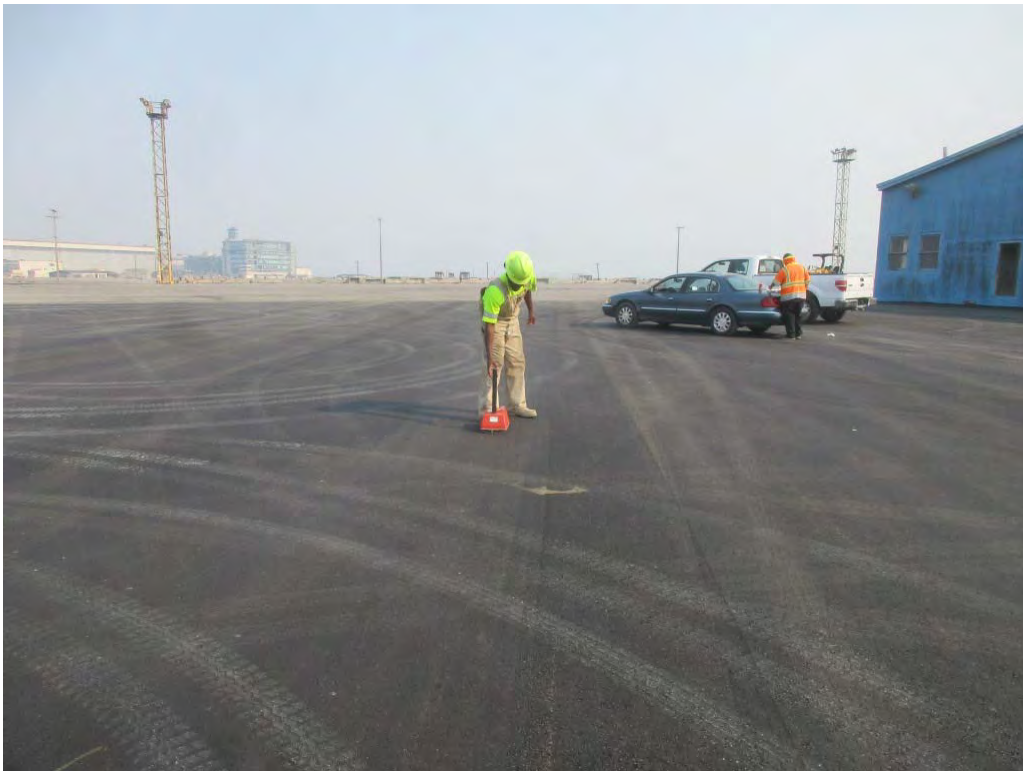


Photograph 108—Blending seam of new asphalt—November 7, 2018

PHOTOGRAPH LOG



Photograph 109—Collecting asphalt core samples—November 9, 2018



Photograph 110—Density testing asphalt with nuclear gauge—November 9, 2018

PHOTOGRAPH LOG



Photograph 111—Placing asphalt near Manseau St.—November 9, 2018

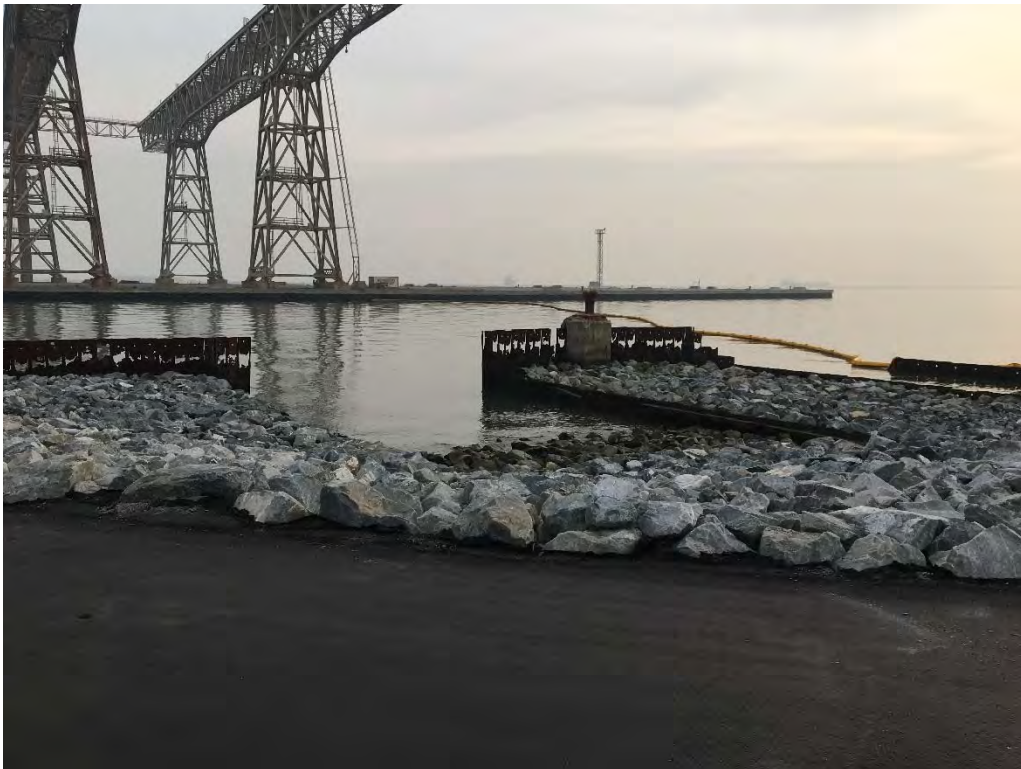


Photograph 112—Skip loader pulling asphalt grindings from edge of existing asphalt—November 12, 2018

PHOTOGRAPH LOG



Photograph 113—Paving, facing south towards Parcel E—November 13, 2018



Photograph 114 – Berth 22 riprap—November 13, 2018

PHOTOGRAPH LOG

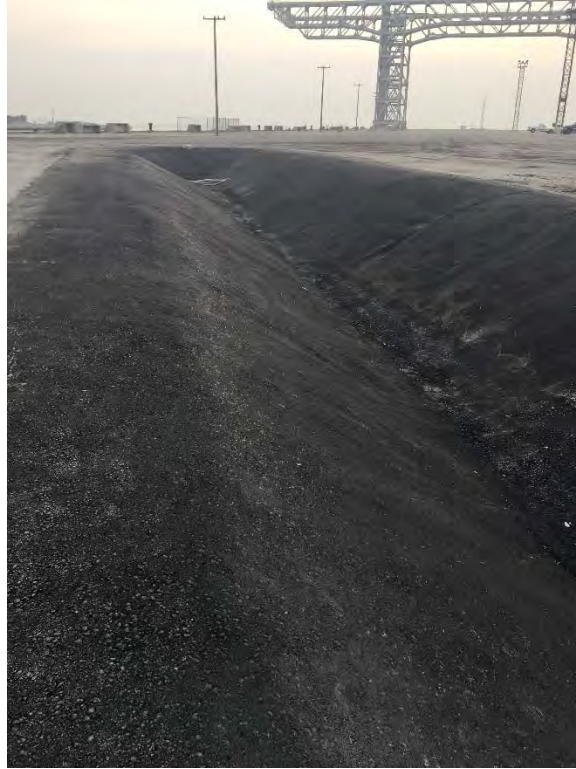


Photograph 115–Berth 22 riprap–November 13, 2018



Photograph 116 – Paved Manseau St swale, facing west–November 13, 2018

PHOTOGRAPH LOG



Photograph 117—Paved Manseau St swale, facing east towards the Gun Mole Pier—November 13, 2018



Photograph 118—Surveyors marking well locations in Parcel D-1 for extensions—November 15, 2018

PHOTOGRAPH LOG



Photograph 119—Well box extension for existing monitoring well—November 19, 2018



Photograph 120—Clearing out any soil or debris from well box IR71MW20A—November 20, 2018

PHOTOGRAPH LOG



Photograph 121—Establishing fence line ParceD-1 boundary along Mahan St—November 20, 2018



Photograph 122—Well IR50MW15A completed extension with new well box—November 20, 2018

PHOTOGRAPH LOG



Photograph 123—Coring through asphalt for fence installation—November 21, 2018



Photograph 124—Digging post hole for fence—November 28, 2018

PHOTOGRAPH LOG



Photograph 125—Asbestos contractor removing mastic from floor—November 29, 2018

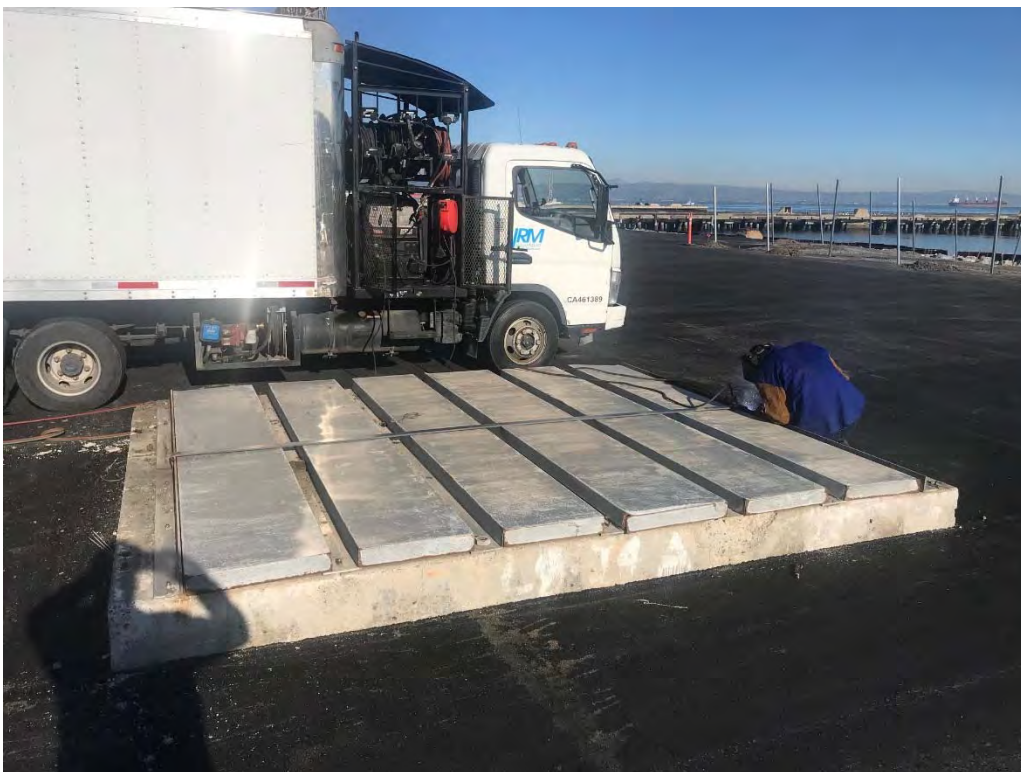


Photograph 126—Vault covers, Berth 22—December 7, 2018

PHOTOGRAPH LOG

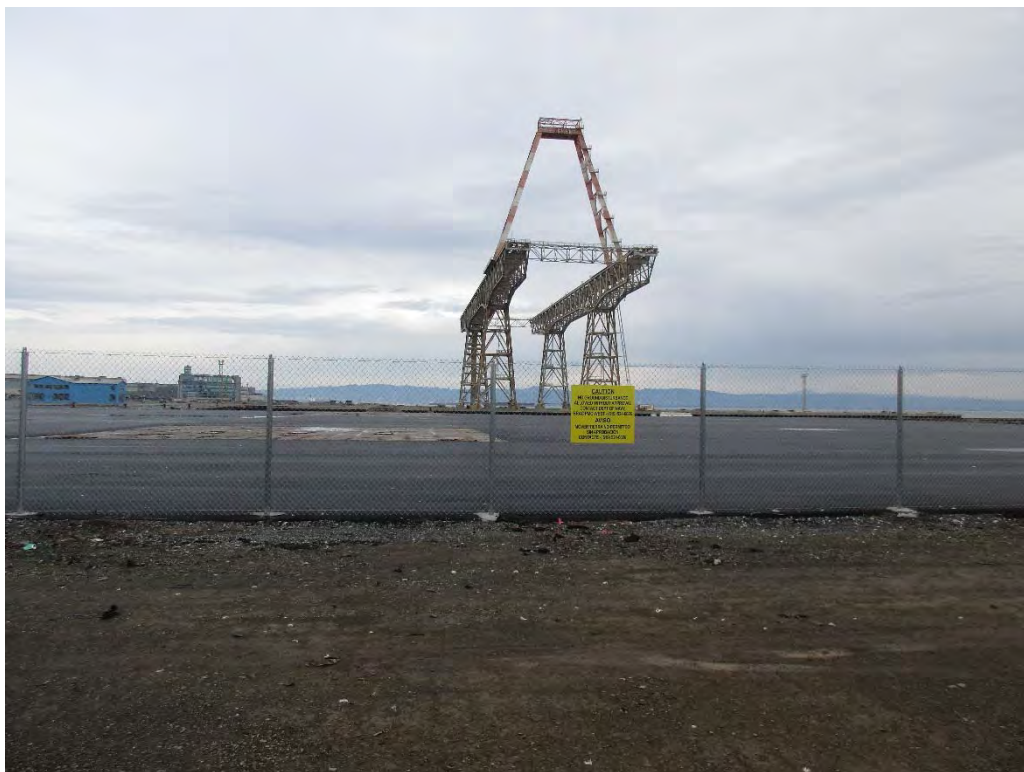


Photograph 127–Vault covers, Berth 22–December 7, 2018



Photograph 128–Securing vault cover–December 7, 2018

PHOTOGRAPH LOG



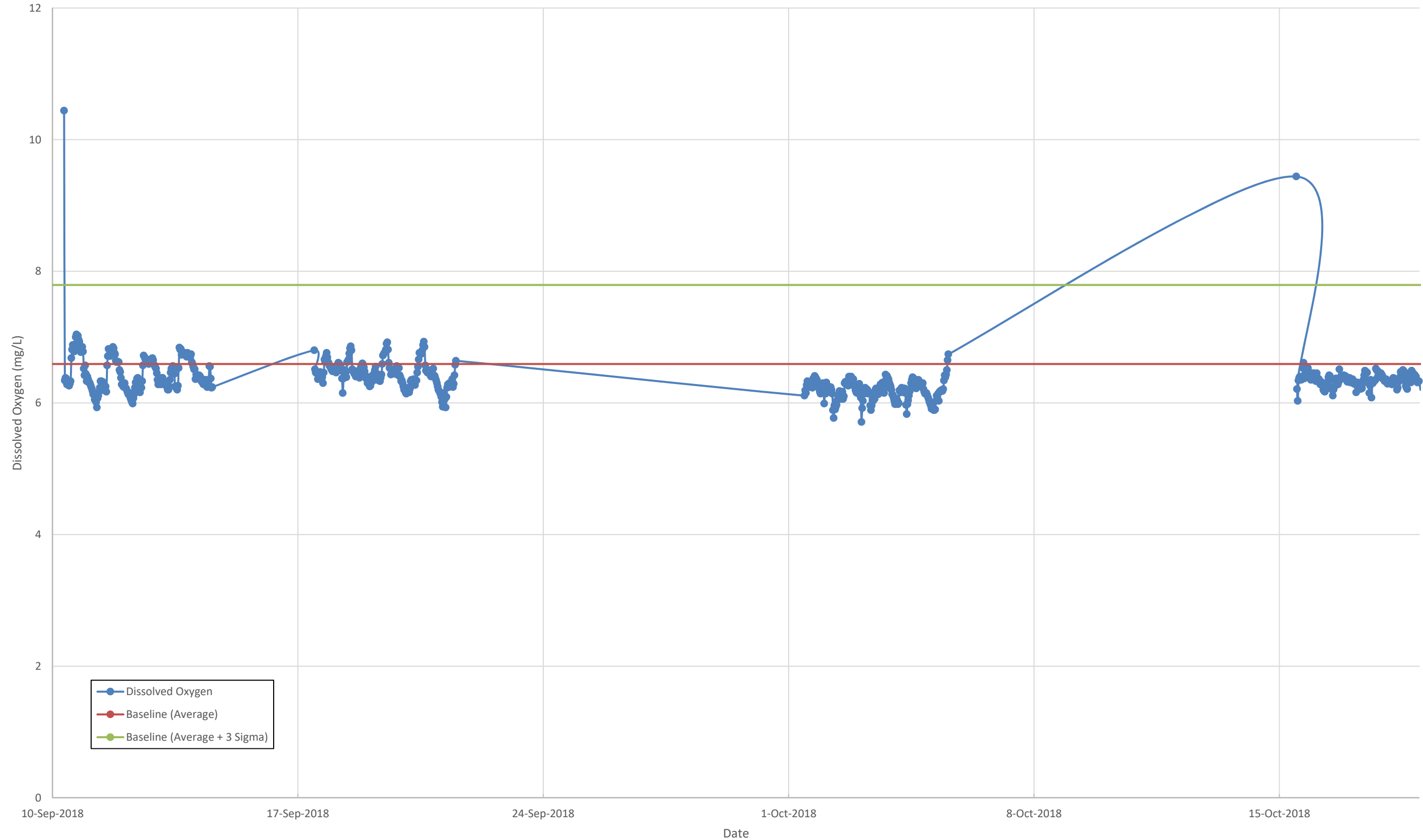
Photograph 129—Permanent fence and signs, adjacent to Building 606—January 14, 2019

Appendix H

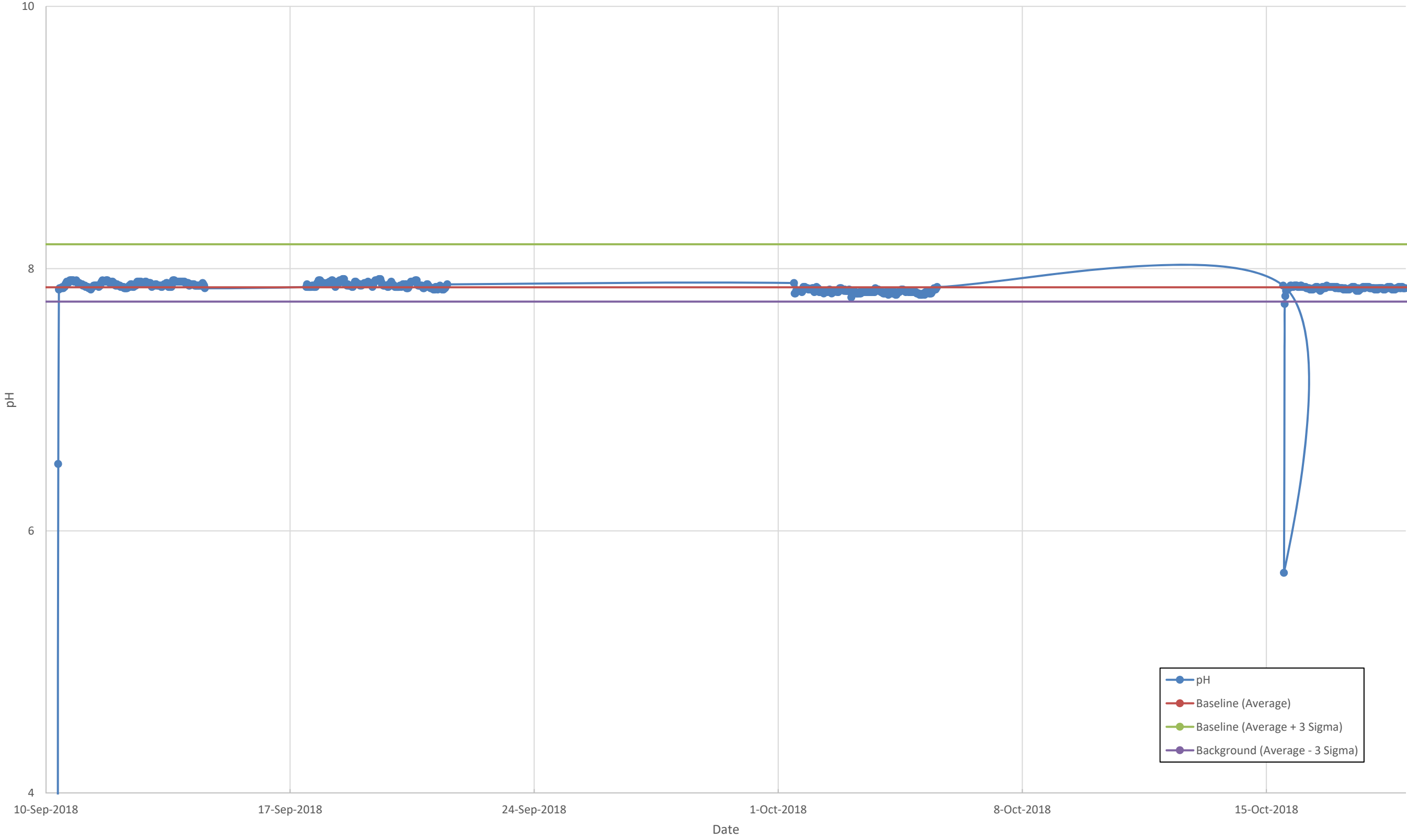
Water Quality Monitoring Results

(provided on electronic copy only)

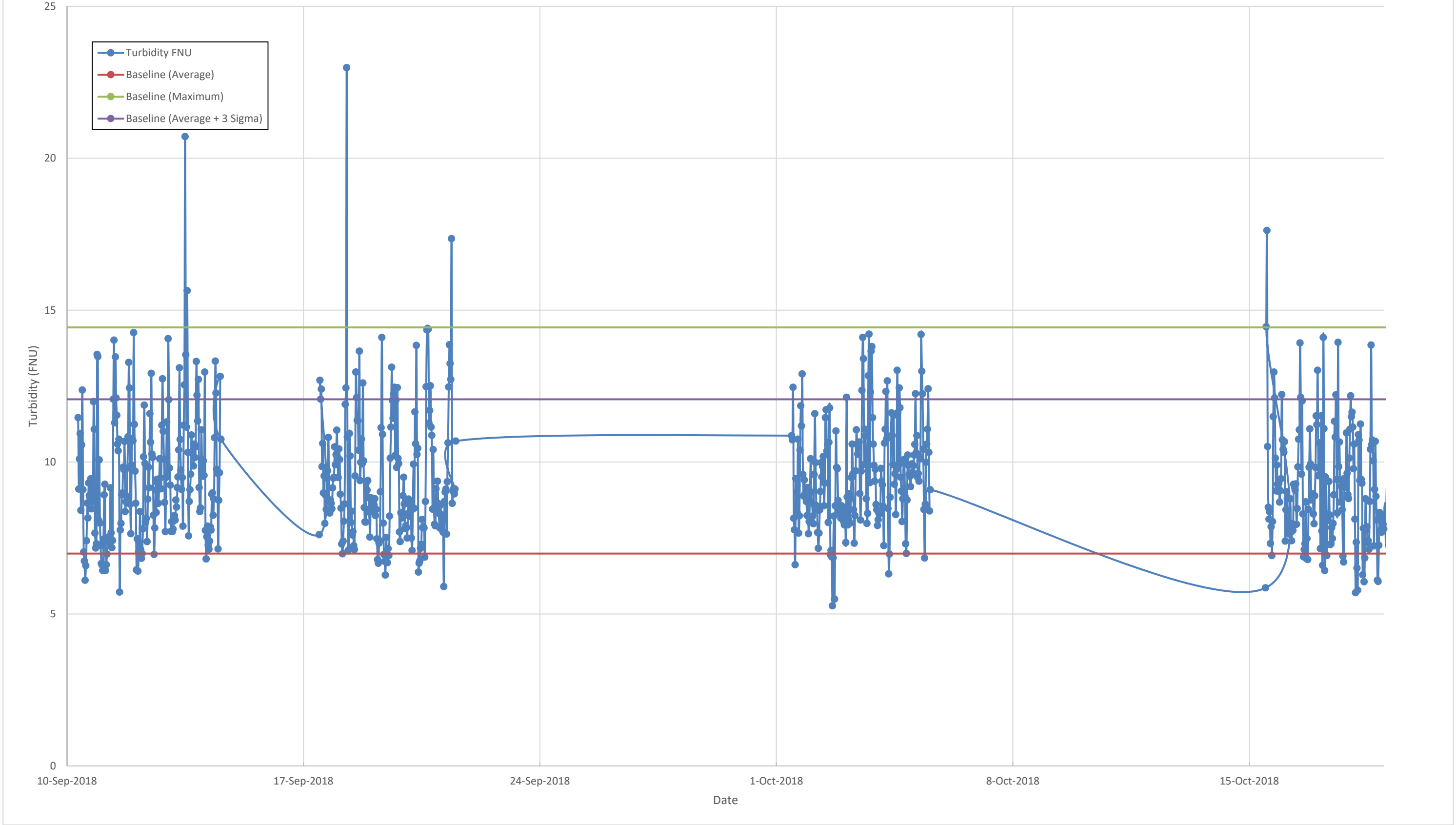
Remedial Action at Parcel D-1 - Dissolved Oxygen
09/10/2018- 10/19/2018



Remedial Action in Parcel D-1 - pH
09/10/2018 - 10/19/2018



Remedial Action in Parcel D-1 - Turbidity
09/10/2018 - 10/19/2018

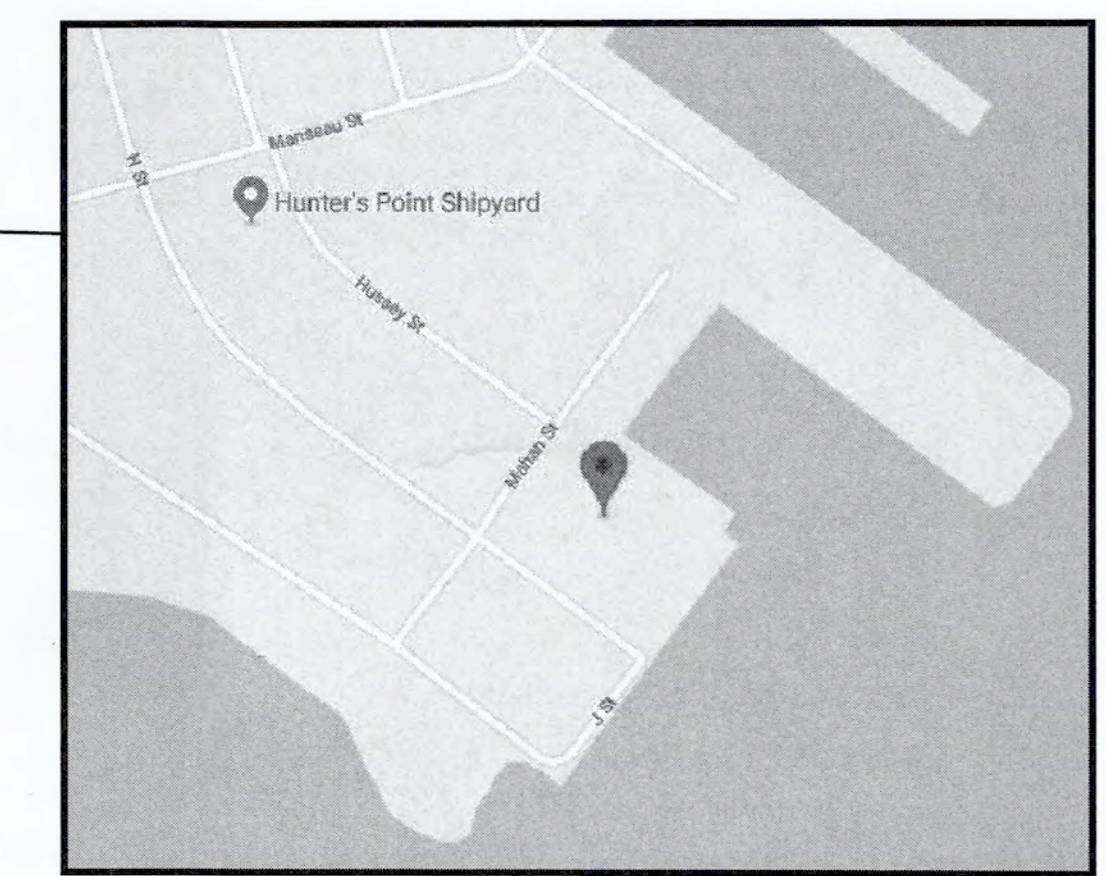


Appendix I

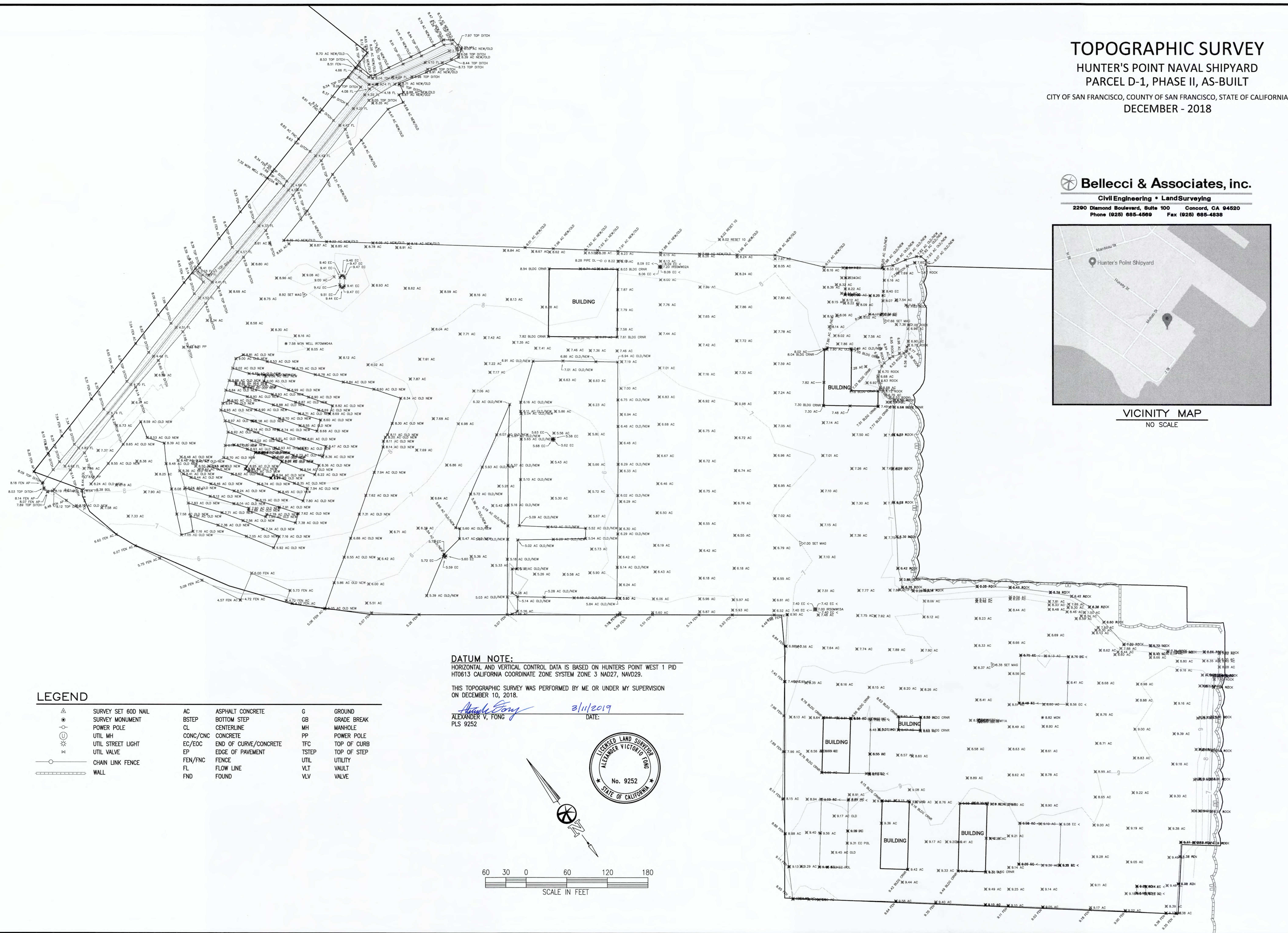
Final Topographic Survey

TOPOGRAPHIC SURVEY
HUNTER'S POINT NAVAL SHIPYARD
PARCEL D-1, PHASE II, AS-BUILT
CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA
DECEMBER - 2018

Bellecci & Associates, inc.
Civil Engineering • Land Surveying
2290 Diamond Boulevard, Suite 100 Concord, CA 94520
Phone (925) 685-4569 Fax (925) 685-4838



VICINITY MAP
NO SCALE



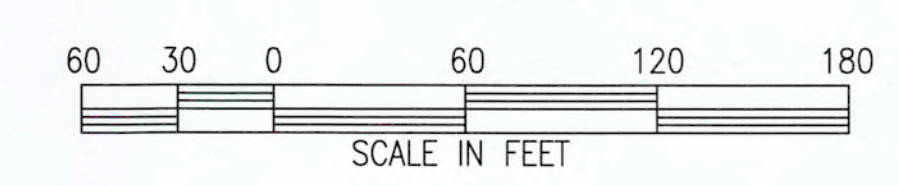
DATUM NOTE:
HORIZONTAL AND VERTICAL CONTROL DATA IS BASED ON HUNTERS POINT WEST 1 PID
HT0613 CALIFORNIA COORDINATE ZONE SYSTEM ZONE 3 NAD27, NAVD29.
THIS TOPOGRAPHIC SURVEY WAS PERFORMED BY ME OR UNDER MY SUPERVISION
ON DECEMBER 10, 2018.

Alexander V. Fong
ALEXANDER V. FONG
PLS 9252
DATE: 2/11/2019



LEGEND

	SURVEY SET 60D NAIL	AC	ASPHALT CONCRETE	G	GROUND
	SURVEY MONUMENT	BCSTEP	BOTTOM STEP	GB	GRADE BREAK
	POWER POLE	CL	CENTERLINE	MH	MANHOLE
	UTIL MH	CONC/CNC	CONCRETE	PP	POWER POLE
	UTIL STREET LIGHT	EC/EOC	END OF CURVE/CONCRETE	TFC	TOP OF CURB
	UTIL VALVE	EP	EDGE OF PAVEMENT	TSTEP	TOP OF STEP
	CHAIN LINK FENCE	FEN/FNC	FENCE	UTIL	UTILITY
	WALL	FL	FLOW LINE	VL	VAULT
		FND	FOUND	VLV	VALVE



Appendix J

Pre-Final and Final Inspection Checklists

Pre-FINAL INSPECTION

(This list may be addendum.)

CONTRACT # & TITLE: N62473-12-D-2005; CTO-4550; Remedial Action in Parcel D-1

CONTRACTOR: APTIM Federal Services.

DATE OF INSPECTION: March 12, 2019

INSPECTION PARTY

NAME	TITLE	REPRESENTING
Mark R. Egan	QC Manager	APTIM
Doug Delong	CSO	Navy

1. The contractor hereby acknowledges the construction deficiencies listed below; conditions of workmanship and/or materials that do not comply with the contract requirements, and agrees to correct such deficiencies to meet contract requirements, at no additional cost to the Government, on or before close of project . This is not to be construed as a waiver of the warranty provisions of the contract.
2. Correction of the deficiencies listed below:

a. Construction Deficiencies:

#	Description	Location	Trade	Date completed \ Initials
1	Exposed soil in seams in the area west of Bldg 307 requires additional asphalt coating (approximately 8-10 areas)	Parcel D-1	Subcontractor	
2	Transport and disposal of soil stockpile adjacent to Bldg. 606	Parcel D-1	Subcontractor	

b. Design Deficiencies: N/A

c. General Comments: N/A

Appendix K

Geotechnical Data

(provided on electronic copy only)

TESTING PLAN AND LOG

[illegible]

TESTING PLAN AND LOG

[illegible]

TESTING PLAN AND LOG

[illegible]

TESTING PLAN AND LOG

[illegible]

TESTING PLAN AND LOG

[illegible]

TESTING PLAN AND LOG

[illegible]

TESTING PLAN AND LOG

[illegible]

TESTING PLAN AND LOG

CONTRACT NUMBER			PROJECT TITLE AND LOCATION							CONTRACTOR	
N62473-12-D-2005			Remedial Action In Parcel D-1 (Phase II)							APTIM Federal Services	
SPECIFICATION SECTION AND PARAGRAPH NUMBER	ITEM OF WORK	TEST REQUIRED	ACCREDITED/ APPROVED LAB		SAMPLED BY	TESTED BY	LOCATION OF TEST		DATE COMPLETED	DATE FORWARDED TO CONTR. OFF.	REMARKS
			YES	NO			ON SITE	OFF SITE			
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.09.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.09.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.09.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
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32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
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32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		

TESTING PLAN AND LOG

CONTRACT NUMBER			PROJECT TITLE AND LOCATION							CONTRACTOR	
N62473-12-D-2005			Remedial Action In Parcel D-1 (Phase II)							APTIM Federal Services	
SPECIFICATION SECTION AND PARAGRAPH NUMBER	ITEM OF WORK	TEST REQUIRED	ACCREDITED/ APPROVED LAB		SAMPLED BY	TESTED BY	LOCATION OF TEST		DATE COMPLETED	DATE FORWARDED TO CONTR. OFF.	REMARKS
			YES	NO			ON SITE	OFF SITE			
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		ASTM D2950	X		--	Smith Emery	X		11.13.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		

TESTING PLAN AND LOG

CONTRACT NUMBER			PROJECT TITLE AND LOCATION							CONTRACTOR	
N62473-12-D-2005			Remedial Action In Parcel D-1 (Phase II)							APTIM Federal Services	
SPECIFICATION SECTION AND PARAGRAPH NUMBER	ITEM OF WORK	TEST REQUIRED	ACCREDITED/ APPROVED LAB		SAMPLED BY	TESTED BY	LOCATION OF TEST		DATE COMPLETED	DATE FORWARDED TO CONTR. OFF.	REMARKS
			YES	NO			ON SITE	OFF SITE			
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		
32 10 00		AASHTO T 30	X		Smith Emery	Smith Emery		X	11.20.18		

Import Fill Geotechnical



SMITH-EMERY SAN FRANCISCO
An Independent Commercial Testing Laboratory

1940 Oakdale Avenue
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July 8, 2016

SESF File No. 69995-1
SESF Report No. 16-272

CB&I Federal Services, LLC
1230 Columbia Street, Suite 1200
San Diego, CA 92101

Attention: Mr. Sam Hopstone

RE: Parcel D-1, CBI# 149831

SUBJECT: Report of Tests

TEST STANDARDS: CTM 301 (R-Value)

SOURCE: One sample of Brown Silty Sand with Clay from Bernard Pile was collected by a CB&I representative and delivered to our laboratory on June 27th, 2016.

REPORT OF TESTS

In compliance with your request, we have conducted the subject tests with the results presented below.

Sample Number	Description	Source
06-27-16-01	Brown Silty Sand with Clay	Bernard Pile

CTM 301 (R-Value)

78

Respectfully submitted,
SMITH-EMERY SAN FRANCISCO

Patrick Morrison

Digitally signed by Pat Morrison
DN: cn=Pat Morrison, o=Smith-Emery SF, ou=SESF
GeoServices, email=pmorrison@smithemerysf.com, c=US
Date: 2016.07.08 15:14:45 -07'00'

PATRICK MORRISON, P.G. #7174, C.E.G. #2643
GeoServices Manager

Attachments: CTM 301 Detailed Report



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(CAL TEST 301)

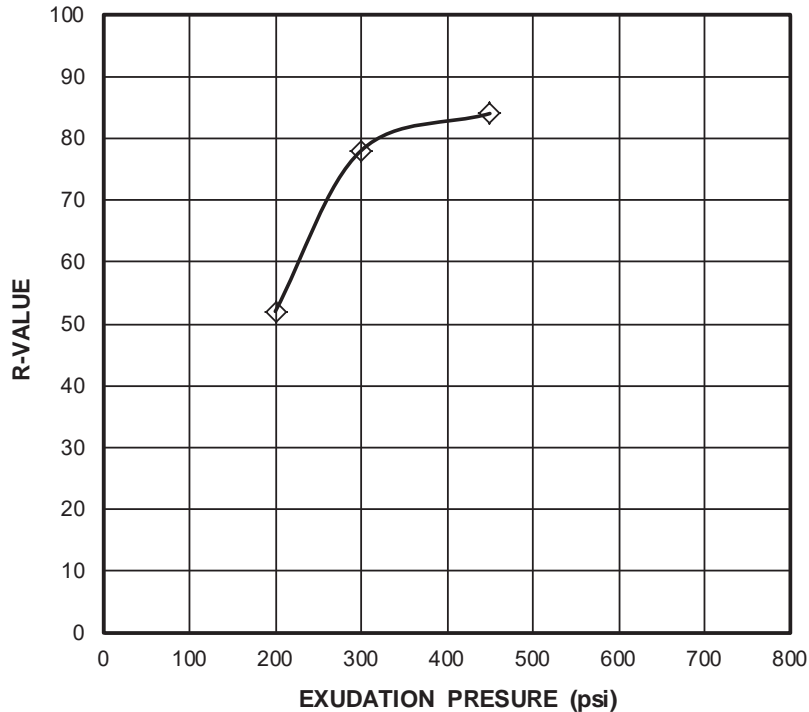
SE JOB #: 69995-1
Date Sample: 7/1/2016
Project: HPNS Parcel D-1
Source: client
SOIL TYPE: Brown Silty Sand with Clay
Lab No.: 160706
Location: Parcel D-1

SPECIMEN	A	B	C
EXUDATION PRESSURE (psi)	450	300	200
PREPARED WEIGHT (g)	1150	1150	1150
FINAL WATER ADDED (g)	0	10	20
WEIGHT, SOIL & MOLD (g)	3250	3260	3270
WEIGHT, MOLD (g)	2100	2094	2074
HEIGHT (in)	2.51	2.51	2.5
EXPANSION DIAL	2	2	2
STABILOMETER @ 1000 lb	70	68	36
STABILOMETER @ 2000 lb	107	104	64
TURNS DISPLACEMENT	6.5	4.7	4
$(2.5/d)*((P_v/P_h)-1)+1$	1.19	1.29	1.94
100/Above	84	78	52
R-VALUE TEST	84	78	52

VALUE AT 300 PSI EXUDATION PRESSURE:

R-VALUE:
Corrected: 78

R-VALUE BY
EXPANSION: 78



Moisture: 6.50%	R-VALUE TEST
	Smith-Emery Laboratory



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Date		
Received:	8/4/2016	Project: 69995-1
Sample		
#:	1/1/1900	Location: HPNS
Sample		
ID:	4/4/2340	Boring #: NA
Source:	Parcel D-1	Depth: NA

Wet Weight of Soils +	
Pan	414
Dry Weight of Soils +	
Pan	383.7
Weight of Pan	43.6
Weight of Moisture	30.3
Dry Weight of Soils	340.1
% Moisture	8.9%



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Date Received: 6/4/2018		Project: 69994-1	
Sample #: 1		Location: HPNS	
Sample ID: 180606		Boring #: na	
Source: Stevens Creek		Depth: na	
Description: <u>Grey/Brown Recycled Class 2 AB</u>			
ASTM D-2487: No Data Provided			
Sample Prepared:		Manual: X	
		Dry:	
Test Standard:		Mechanical:	
AASHTO T 99:		AASHTO T 180:	
ASTM D 698:		ASTM D 1557: X	
		Method	
		C	

Assumed Sp. Gr.	Point Number	Percent Moisture	Dry Density		Maximum Dry Density	Optimum % Moisture
			lbs/ft ³	Kgs/m ³		
2.65	1	6.6%	119.2	1,910	<u>123.9</u> lbs/ft ³	<u>9.5</u> %
	2	8.6%	123.0	1,971	1,985	Kgs/m ³
	3	10.8%	123.4	1,977		
	4	12.5%	118.4	1,897		

Moisture Density Relationship

◆ Data Points — Zero Air Voids Curve — Curve Fit

ASTM D-4718, Correction for Oversize Particles				% Retained 3/4		4.2%	
% Retained	Corrected Density	Optimum		% Retained	Corrected Density	Optimum	
3/4 Sieve	lbs/ft ³	Kgs/m ³	Moisture	3/4 Sieve	lbs/ft ³	Kgs/m ³	Moisture
5%	125.5	2,010	9.1%	20%	130.5	2,090	7.7%
10%	127.1	2,036	8.6%	25%	132.2	2,118	7.3%
15%	128.8	2,063	8.2%	30%	134.0	2,147	6.8%



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October 4, 2016

SESF File No. 69995-1
SESF Report No. 16-427

CB&I Federal Services, LLC
1230 Columbia Street, Suite 1200
San Diego, CA 92101

Attention: Mr. Sam Hopstone

RE: Parcel D-1, CBI# 149831

SUBJECT: Report of Tests

TEST STANDARDS: ASTM D1557 (Modified Proctor)

SOURCE: Two samples of Dark Brown AB from Brisbane were collected by a CB&I representative and delivered to our laboratory on September 28th, 2016.

REPORT OF TESTS

In compliance with your request, we have conducted the subject tests with the results presented below.

Sample Number	Description	Source
09-28-16-01	Dark Brown AB	Brisbane
09-28-16-02	Dark Brown AB	Brisbane

ASTM D1557 (Modified Proctor)

Please see the attached.

Respectfully submitted,
SMITH-EMERY SAN FRANCISCO

Patrick Morrison

Pat
Morrison

Digitally signed by Pat Morrison
DN: cn=Pat Morrison, o=Smith-Emery SF,
ou=SESF Geotechnical,
email=patrick.morrison@smith-emery.com, c=US
Date: 2016.10.04 15:19:28 -0700

PATRICK MORRISON, P.G. #7174, C.E.G. #2643
Professional Geologist
Certified Engineering Geologist

Attachments: ASTM D1557 Detailed Reports



SMITH-EMERY SAN FRANCISCO

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Date Received: 9/28/2016		Project: 69995-1				
Sample #: 1		Location: Brisbane				
Sample ID: 160932		Boring #: NA				
Source: ABC1		Depth: NA				
Description:		Dark Brown AB				
ASTM D-2487: No Data Provided						
Sample Prepared:		Moist: X Manual: X				
		Dry: Mechanical:				
Test Standard:		AASHTO T 99: AASHTO T 180: Method				
		ASTM D 698: ASTM D 1557: X C				
Assumed Sp. Gr. 2.75	Point Number	Percent Moisture	Dry Density lbs/ft³	Dry Density Kgs/m³	Maximum Dry Density	Optimum % Moisture
	1	7.1%	122.7	1,966	<u>126.9</u> <u>lbs/ft³</u>	<u>10.5 %</u>
	2	9.1%	126.3	2,023	2,032 Kgs/m³	
	3	11.1%	126.7	2,030		
	4	13.1%	124.5	1,995		
<div>Moisture Density Relationship <p>Legend: ◆ Data Points, - - - Zero Air Voids Curve, — Curve Fit</p></div>						
ASTM D-4718, Correction for Oversize Particles				% Retained 3/4" 4.7%		
% Retained	Corrected Density	Optimum	% Retained	Corrected Density	Optimum	
3/4" Sieve	lbs/ft ³	Kgs/m ³	Moisture	3/4" Sieve	lbs/ft ³	Kgs/m ³
<u>5%</u>	<u>128.5</u>	<u>2,059</u>	<u>10.0%</u>	20%	133.9	2,144
10%	130.3	2,087	9.5%	25%	135.7	2,174
15%	132.0	2,115	9.0%	30%	137.6	2,205



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Fax (213) 746-7228

Date Received: 9/28/2016				Project: 69995-1			
Sample #: 2				Location: Brisbane			
Sample ID: 160932				Boring #: NA			
Source: ABC2				Depth: NA			
Description: _____				Dark Brown AB			
ASTM D-2487: No Data Provided							
Sample Prepared: Moist: X				Manual: X			
Dry: _____				Mechanical: _____			
Test Standard:		AASHTO T 99:		AASHTO T 180:		Method	
		ASTM D 698:		ASTM D 1557: X		C	

Assumed Sp. Gr.	Point Number	Percent Moisture	Dry	Dry	Maximum Dry Density	Optimum % Moisture
			Density lbs/ft ³	Density Kgs/m ³		
2.85						
	1	7.4%	121.1	1,940	127.4 lbs/ft³	11.1 %
	2	9.4%	126.3	2,024	2,041 Kgs/m³	
	3	11.4%	127.1	2,037		
	4	13.4%	125.1	2,004		

Moisture Density Relationship

The graph plots Dry Density against Percent Moisture. The left y-axis is Dry Density in lbs/ft³ (110.0 to 140.0), and the right y-axis is Density in Kgs/m³ (2,083 to 2,283). The x-axis is Percent Moisture (0% to 20%). Data points are shown as blue diamonds. A solid blue line represents the curve fit, and a dashed purple line represents the zero air voids curve.

ASTM D-4718, Correction for Oversize Particles				% Retained 3/4" 3.9%			
% Retained	Corrected Density		Optimum	% Retained	Corrected Density		Optimum
3/4" Sieve	lbs/ft ³	Kgs/m ³	Moisture	3/4" Sieve	lbs/ft ³	Kgs/m ³	Moisture
5%	129.3	2,071	10.6%	20%	135.1	2,164	9.0%
10%	131.2	2,101	10.1%	25%	137.2	2,197	8.5%
15%	133.1	2,132	9.5%	30%	139.3	2,231	7.9%

Subgrade Fill Compaction

SECO Job No: 69994-1

INSPECTION REPORT

Report No.: **INSP-24**

Date: 10/12/2018

Distributed To:

EMAIL: CB & I FEDERAL SERVICES

To: CB&I FEDERAL SERVICES, LLC
ACCOUNTS PAYABLE
1230 COLUMBIA STREET, STE. 120
SAN DIEGO, CA 92101

Subject: **GEOTECHNICAL SERVICES PARCEL
HUNTERS POINT, CA**

**GEOTECH. SERVICES PARCEL E-2
CONTRACT #: CBI#500506**

Attached are inspection reports for the week ending 9/14/2018 for the subject project:

Report By

HAWVICHORST, ANDREW

Report Dated

09/13/2018

Report Title

Daily Inspection Report for 9/13/2018



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SERV: PARCEL E-2 Date: 9/13/18
Project Address: HUNTERS PT. 6132 E 500506 SESF Job # 69994-1
Inspection Location: RSY PAD AREA / WEST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
		<u>RSY PAD AREA #1</u>								
01		<u>REF. MAP WEST</u>	<u>SG</u>	<u>10.4</u>	<u>124.6</u>	<u>128.5</u>	<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02		<u>Pad 3</u>	<u>SG</u>	<u>9.8</u>	<u>123.9</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03			<u>SG</u>	<u>9.7</u>	<u>122.8</u>		<u>95</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04			<u>SG</u>	<u>9.9</u>	<u>124.3</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05			<u>SG</u>	<u>10.2</u>	<u>122.9</u>		<u>95</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06			<u>SG</u>	<u>11.3</u>	<u>123.2</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07			<u>SG</u>	<u>10.9</u>	<u>123.9</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08			<u>SG</u>	<u>9.8</u>	<u>124.6</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09			<u>SG</u>	<u>10.4</u>	<u>124.7</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10			<u>SG</u>	<u>11.3</u>	<u>123.8</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11			<u>SG</u>	<u>11.7</u>	<u>122.7</u>		<u>95</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12			<u>SG</u>	<u>10.6</u>	<u>123.6</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	<u>BROWN SILTY SAND W/ GRAVEL</u>		<u>8.7</u>	<u>128.5</u>
	<u>SAMPLED 9/13</u>			

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

SAMPLING DRAWING
LAB - DATA COLLECTED.

Attachments: None

Name: ANDREW HAWVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: _____
Certification #: _____
Emp. ID: 2324 Page 1 of 3



SMITH-EMERY SAN FRANCISCO
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LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

9/13/18

Project Name: GEOTECHNICAL - SERV: PDRAL R-2 Date: 6/13/18
Project Address: HUNTERS PT. SESF Job # 69994-1
Inspection Location: RSY PAD AREA / WEST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
		<u>RSY PAD AREA #1</u>								
<u>13</u>		<u>WEST</u>	<u>5.6</u>	<u>10.6</u>	<u>123.2</u>	<u>128.5</u>	<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>14</u>			<u>5.6</u>	<u>11.2</u>	<u>124.2</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>15</u>			<u>5.6</u>	<u>9.8</u>	<u>122.8</u>		<u>95</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>16</u>			<u>5.6</u>	<u>9.2</u>	<u>123.6</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>17</u>			<u>5.6</u>	<u>10.4</u>	<u>124.3</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>18</u>			<u>5.6</u>	<u>10.6</u>	<u>122.9</u>		<u>95</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)

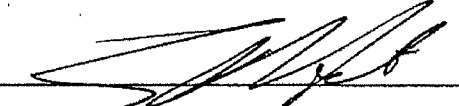
Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

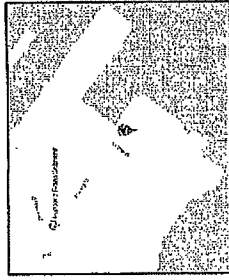
Attachments: None

Name: ANDREAS HAWUCHOWSKI

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: 
Certification #: _____
Emp. ID: 2324 Page 2 of 3

TOPOGRAPHIC SURVEY
HUNTER'S POINT NAVAL SHIPYARD
PARCEL D-1, PHASE II
CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA
AUGUST - 2018



VICINITY MAP
NO SCALE

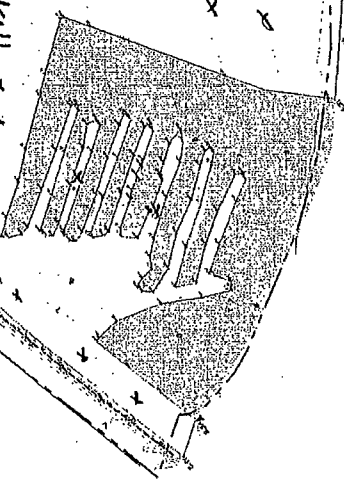
Bellecci & Associates, Inc.
Professional Land Surveyors
2000 Market Street, Suite 100
San Francisco, CA 94102
Phone: (415) 441-1000 Fax: (415) 441-1001
SHEET 1 OF 1
JOB NO. 181818

20 ALLEYS

18 ALLEYS

RSY Pad Area ~ 175,000 (west)

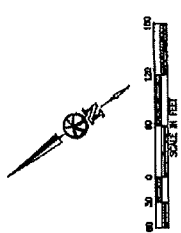
9/13/18



NOTES: 1. CONTROL WAS SET IN BASED ON MATTERS FOR PER 1.70
2. THE FOLLOWING COORDINATE DATA WERE USED TO LOCATE POINTS.

LEGEND

1	BOUNDARY LINE	4	SHOULDER
2	ADJACENT CHANGES	5	ADJACENT CHANGES
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Pg 3 of 3

SECO Job No: 69994-1

INSPECTION REPORT

Report No.: **INSP-25**

Date: 10/12/2018

Distributed To:

EMAIL: CB & I FEDERAL SERVICES

To: CB&I FEDERAL SERVICES, LLC
ACCOUNTS PAYABLE
1230 COLUMBIA STREET, STE. 120
SAN DIEGO, CA 92101

Subject: **GEOTECHNICAL SERVICES PARCEL
HUNTERS POINT, CA**

**GEOTECH. SERVICES PARCEL E-2
CONTRACT #: CBI#500506**

Attached are inspection reports for the week ending 9/28/2018 for the subject project:

<u>Report By</u>	<u>Report Dated</u>	<u>Report Title</u>
HAWVICHORST, ANDREW	09/28/2018	Daily Inspection Report for 9/28/2018
KARIMI, AHMAD F	09/28/2018	Daily Inspection Report for 9/28/2018



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SERV. PARCEL E-2 Date: 9/28/18
Project Address: HUNTERS PT. CR 22 S00506 SESF Job # 69994-1
Inspection Location: RSY PAD AREA
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
		REF: RSY PAD AREA							<input type="checkbox"/>	<input type="checkbox"/>
01		S&E MAP: Pg 3	S.G	9.8	124.6	128.5	92	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02			S.G	10.2	125.4		92	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03			S.G	9.6	123.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04			S.G	9.7	122.7		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05			S.G	10.3	122.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06			S.G	10.6	124.8		92	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07			S.G	11.2	124.3		92	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08			S.G	10.9	125.4		92	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09			S.G	9.7	122.9		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10			S.G	10.3	123.2		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11			S.G	11.4	124.6		92	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12			S.G	10.6	123.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	BROWN SILTY SAND w/ GRAVEL		8.7	128.5
	FM: DATE 9/13			

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASTM: D1557

Attachments: None

Name: ANDREW HAWVICHKOST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: [Signature]
Certification #: _____
Emp. ID: 2324 Page 1 of 3



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SRGV: PARCEL K2 Date: 9/28/18
Project Address: HUNTERS PT. CRP 8500 JCG SESF Job # 69994-1
Inspection Location: RSY PAD AREA
Inspection(s) Performed: COMPACTION TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
		<u>RSY PAD</u>							<input type="checkbox"/>	<input type="checkbox"/>
		<u>CONT: PAGE # 1</u>							<input type="checkbox"/>	<input type="checkbox"/>
<u>13</u>			<u>S.G</u>	<u>9.8</u>	<u>123.7</u>	<u>128.5</u>	<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>14</u>			<u>S.G</u>	<u>10.2</u>	<u>124.6</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>15</u>			<u>S.G</u>	<u>10.6</u>	<u>122.9</u>		<u>95</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>16</u>			<u>S.G</u>	<u>9.7</u>	<u>125.4</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>17</u>			<u>S.G</u>	<u>11.2</u>	<u>123.9</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>18</u>			<u>S.G</u>	<u>10.4</u>	<u>124.6</u>		<u>97</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>19</u>			<u>S.G</u>	<u>9.8</u>	<u>123.7</u>		<u>96</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>20</u>			<u>S.G</u>	<u>10.3</u>	<u>122.9</u>		<u>95</u>	<u>95</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	<u>BROWN SILTY SAND W/ GRAVEL</u>		<u>8.7</u>	<u>128.5</u>
	<u>F.M: 9/13</u>			

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASTM: D1557

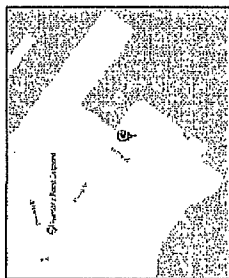
Attachments: None

Name: ANDREW HANVICHORST

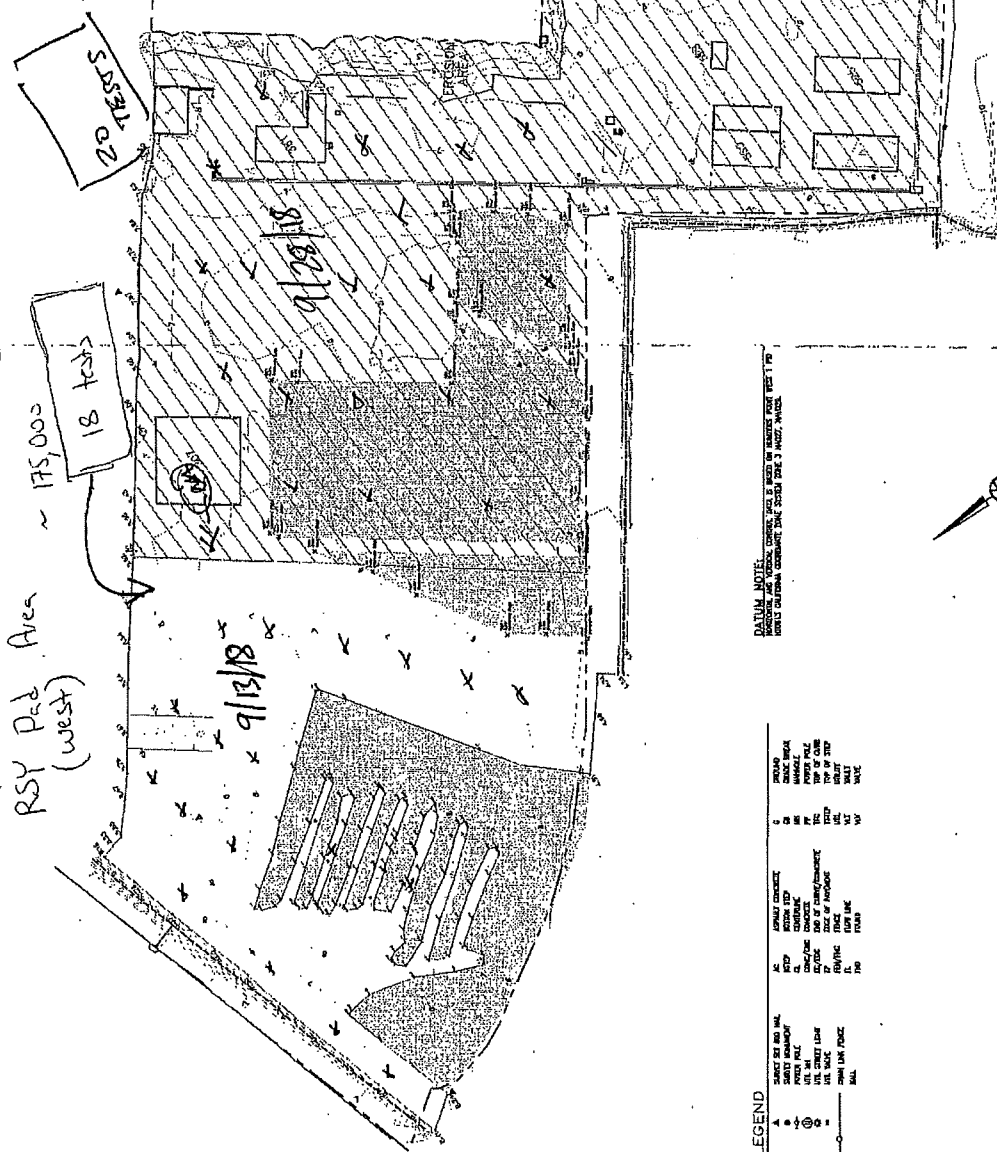
CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: [Signature]
Certification #: _____
Emp. ID: 2324 Page 2 of 3

TOPOGRAPHIC SURVEY
HUNTER'S POINT NAVAL SHIPYARD
PARCEL D-1, PHASE II
CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA
AUGUST - 2018



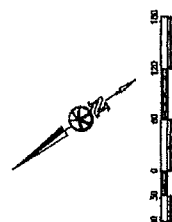
VICINITY MAP
1/8" SCALE



DATUM NOTE:
HORIZONTAL AND VERTICAL CONTROL WAS OBTAINED BY MEANS OF MEASURED FROM THE
NAD 83 DATUM. ELEVATION CONTROL WAS OBTAINED FROM THE NAD 83 DATUM.

LEGEND

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P93043

Agg Base Compaction

SECO Job No: 69994-1

INSPECTION REPORT

Report No.: **INSP-28**

Date: 11/28/2018

Distributed To:

EMAIL: CB & I FEDERAL SERVICES

To: CB&I FEDERAL SERVICES, LLC
ACCOUNTS PAYABLE
1230 COLUMBIA STREET, STE. 120
SAN DIEGO, CA 92101

Subject: **GEOTECHNICAL SERVICES PARCEL
HUNTERS POINT, CA**

**GEOTECH. SERVICES PARCEL E-2
CONTRACT #: CBI#500506**

Attached are inspection reports for the week ending 10/26/2018 for the subject project:

Report By

HAWVICHORST, ANDREW

Report Dated

10/25/2018

Report Title

Daily Inspection Report for 10/25/2018



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHPD # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL SERV: PARCEL E-2 Date: 10/25/18
Project Address: HUNTERS PT. CR 18 500506 SESF Job # 69994-1
Inspection Location: PARCEL D-1
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
01		REF: MAP		8.9	131.7	134.4	97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02		DATED 10/25		9.1	130.9		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03				9.6	129.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04				10.2	130.2		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05				9.8	129.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06				9.7	129.7		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07				8.9	131.3		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08				9.4	130.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09				9.6	129.7		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10				9.3	131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11				10.2	129.8		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12		CONT:		9.7	131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13		PR 2		9.6	130.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	GRAY VERGIN CLAYS		7.2	134.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

SAMPLES OF A.B. (VERGIN)
Pending Lab-Data Stems Crk.

ASTM: D1557

Attachments: None

Name: ANDREW MAWVECHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: _____
Certification #: _____
Emp. ID: 2324 Page 1 of 2



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHPD # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOCHEMICAL-SREV: PARCEL R-2 Date: 10/25/18
Project Address: HUNTERS PT. CRIE 50506 SESF Job # 69994-1
Inspection Location: PARCEL D-1
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
		CONT: PG. 41							<input type="checkbox"/>	<input type="checkbox"/>
14		REF:			130.4	134.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15		MAP DATE 10/25			131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16					129.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17		FENESH A66			131.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18		BASE			129.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19					130.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20					131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21					129.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22					129.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23					130.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24		↓ COMP. PARCEL			131.2		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25					129.8		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	GRAY VERBEN CLAYS		7.2	134.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASTM: D1557

Attachments: None

Name: ANDREW HAWZCHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: [Signature]
Certification #: _____
Emp. ID: 2324 Page 2 of 2

SECO Job No: 69994-1

INSPECTION REPORT

Report No.: **INSP-29**

Date: 11/28/2018

Distributed To:

EMAIL: CB & I FEDERAL SERVICES

To: CB&I FEDERAL SERVICES, LLC
ACCOUNTS PAYABLE
1230 COLUMBIA STREET, STE. 120
SAN DIEGO, CA 92101

Subject: **GEOTECHNICAL SERVICES PARCEL
HUNTERS POINT, CA**

**GEOTECH. SERVICES PARCEL E-2
CONTRACT #: CBI#500506**

Attached are inspection reports for the week ending 11/2/2018 for the subject project:

Report By

HAWVICHORST, ANDREW

Report Dated

11/02/2018

Report Title

Daily Inspection Report for 11/1/2018 thru 11/2/2018



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL SERV: HPT. CRP I 500506 Date: 11/1/18
Project Address: HUNTERS PT. SESF Job # 69994-1
Inspection Location: PARCEL D-1
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
01		REF. MAP		9.1	129.6	134.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02		QUADRANT		9.9	130.1		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03		DATED 11/1		10.2	131.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04		FINISH, AGG		9.6	129.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05		BASE		9.8	130.2		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06				10.2	131.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07				9.8	129.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08				9.7	131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09				10.3	128.4		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10				9.6	129.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11				9.8	131.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12				10.2	129.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13		✓ CONT: PG. 2		8.9	131.7		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
#	GRAY VERM. CLAY		7.2	134.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASUM: DISS7

Attachments: None

Name: ANDREW HAWTHORNE

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:
Certification #: _____
Emp. ID: 2324 Page 1 of 2



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSH PD # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEO TECHNICAL - SRDV: H.P.T. CB 12 S00506 Date: 11/1/18
Project Address: HUNTERS POINT SESF Job # 69924-1
Inspection Location: PARCEL D-1
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
		CONTINUED.							<input type="checkbox"/>	<input type="checkbox"/>
14		Pg 1		9.7	131.6	134.4	97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15				8.9	129.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16				9.1	131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17				9.6	130.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18				10.2	128.7		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19				9.8	130.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20				9.6	131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21				8.9	129.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22				9.1	130.2		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23				9.4	128.4		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24				9.7	131.3		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25				9.6	130.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	GRAY VIRGIN. CL2013		7.2	134.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
 Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
 Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
 Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASTM: D1557

Attachments: None

Name: ANDREW HAWVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: _____
Certification #: _____
Emp. ID: 2324 Page 2 of 2



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHPD # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL-SERV: H PT. CR/E S00506 Date: 11/2/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PDRCL D-1
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
01		REF: MAP		9.6	130.2	134.4	97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02		DATED 11/2		9.8	129.8		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03				9.3	129.2		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04		FENDSH. AGG		8.9	131.3		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05		BASE		9.4	130.5		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06				10.1	129.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07				9.8	131.2		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08				9.6	129.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09				9.1	128.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10				9.4	131.9		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11				9.5	130.2		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12		✓ CONT:		9.4	129.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13		P4 2		10.2	131.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	GRAY VERGEM. CL2AB		7.2	134.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASTM: D1557

Attachments: None

Name: ANDREW HAWVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:
Certification #: _____
Emp. ID: 2324 Page 1 of 2



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHPD # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SRV: H.P.T. CB 22 500506 Date: 11/2/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
14		CONTINUUM FROM		8.9	129.6	134.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15		pg 16		9.1	131.2		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16				9.4	130.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17		FRESH		9.3	129.8		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18		AGG		10.2	131.4		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19		BASR		9.7	130.8		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20				9.6	129.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21				9.8	131.6		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22				9.7	129.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23				10.1	130.3		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24				9.6	131.5		97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25				9.8	129.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	GRAY VERMILION CLAYS		7.2	134.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASTM: D1557

Attachments: None

Name: ANDREW HAWUCHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: [Signature]
Certification #: _____
Emp. ID: 2324 Page 2 of 2

TOPOGRAPHIC SURVEY

HUNTER'S POINT NAVAL SHIPYARD
PARCEL D-1, PHASE II

CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA
AUGUST - 2018

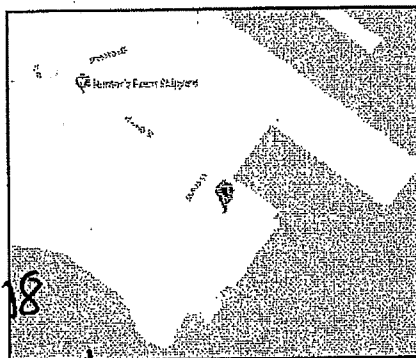
20 TESTS

9/28/18

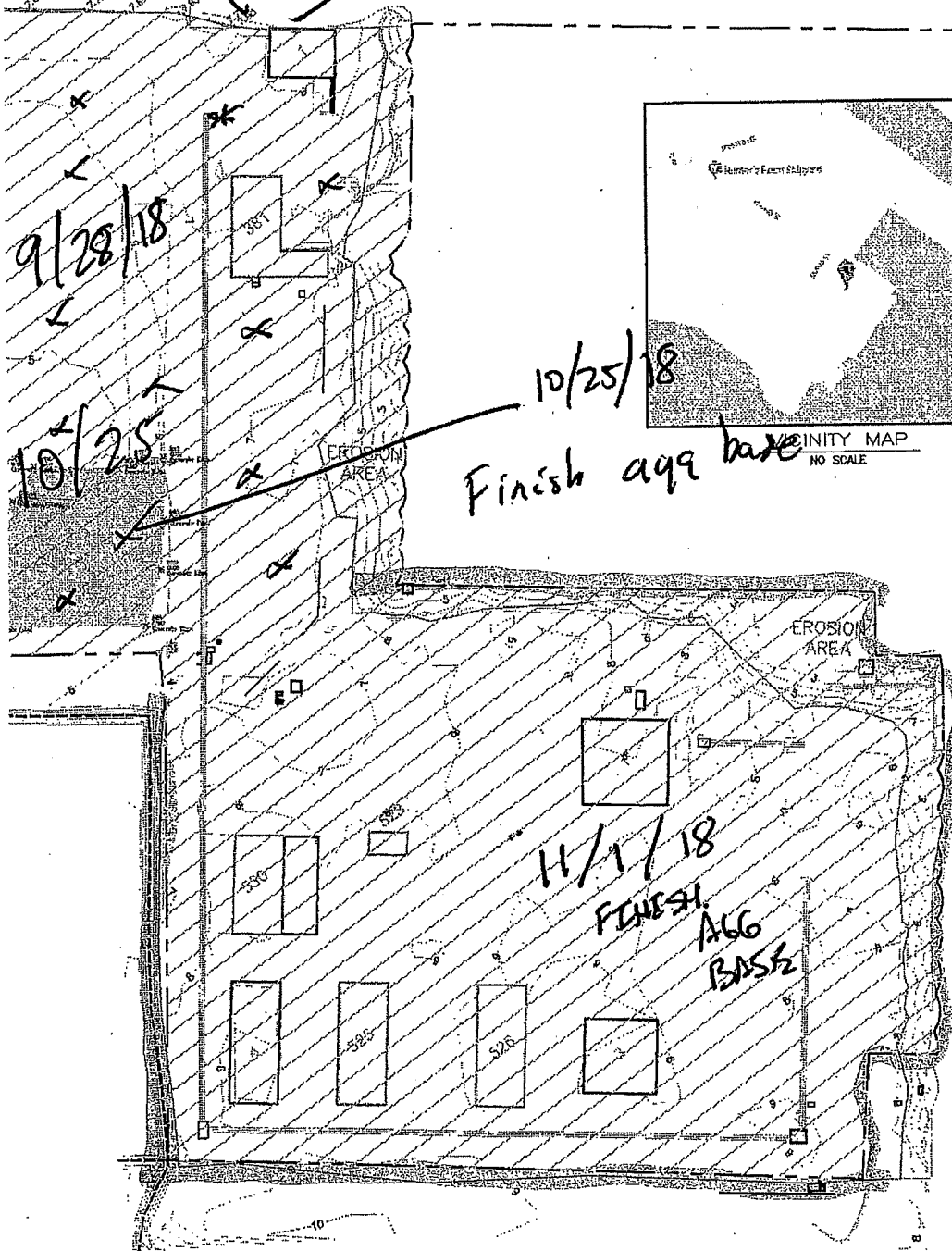
10/25/18

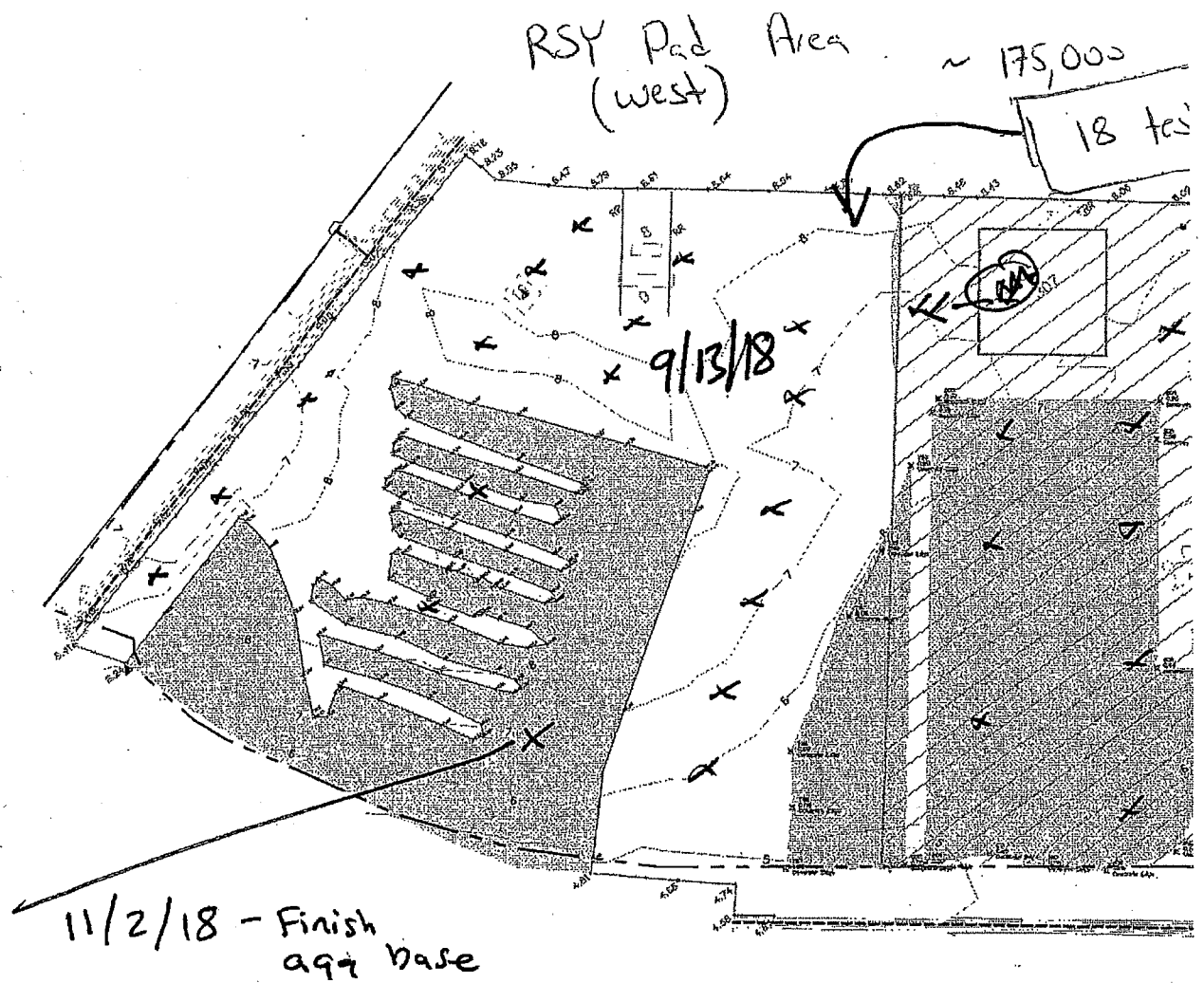
10/25/18

Finish agg base



NEIGHBORHOOD MAP
NO SCALE





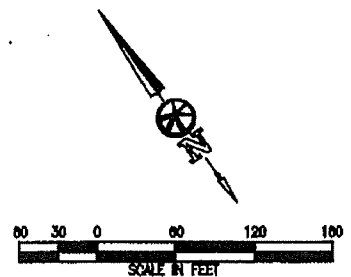
LEGEND

△	SURVEY SET ROD NAIL	AC	ASPHALT CONCRETE	G	GROUND
●	SURVEY MONUMENT	ISTEP	BOTTOM STEP	GB	GRADE BREAK
○	POWER POLE	CL	CENTERLINE	MH	MANHOLE
①	UTL. MH	CONC/CHC	CONCRETE	PP	POWER POLE
⊙	UTL. STREET LIGHT	EC/EDC	END OF CURVE/CONCRETE	TFC	TOP OF CURB
*	UTL. VALVE	EP	EDGE OF PAVEMENT	TSTEP	TOP OF STEP
—○—	CHAIN LINK FENCE	FEH/THC	FENCE	UTL	UTILITY
—	WALL	PL	FLOW LINE	VLT	VAULT
		PRD	ROUND	VLV	VALVE

DATUM NOTE:

HORIZONTAL AND VERTICAL CONTROL DATA IS BASED ON HUNTERS POINT WEST T P
NAD83 CALIFORNIA COORDINATE ZONE SYSTEM ZONE 3 NAD83, NAD83.

P93043



TOPOGRAPHIC SURVEY

HUNTER'S POINT NAVAL SHIPYARD
PARCEL D-1, PHASE II

CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA
AUGUST - 2018



LOCALITY MAP
NO SCALE

RSY Pad Area
(west)

~ 175,000

18 tests

20 TESTS

9/13/18

9/28/18

10/25

10/25/18

Finish agg base

11/2/18 - Finish
agg base

11/1/18

FINISH
AGG
BASE

LEGEND

△	SURVEY SET 600 NAIL	AC	ASPHALT CONCRETE	G	GROUND
●	SURVEY MONUMENT	BSTEP	BOTTOM STEP	GB	GRADE BREAK
○	POWER POLE	CL	CENTERLINE	MH	MANHOLE
⊙	UTIL MH	C/CNC	CONCRETE	PP	POWER POLE
⊙	UTIL STREET LIGHT	EC/EOC	END OF CURVE/CONCRETE	TFC	TOP OF CURB
⊙	UTIL VALVE	EP	EDGE OF PAVEMENT	TSTEP	TOP OF STEP
⊙	CHAIN LINK FENCE	FEN/FNC	FENCE	UTIL	UTILITY
⊙	WALL	FL	FLOW LINE	VLT	VAULT
		FND	FOUND	VLV	VALVE

DATUM NOTE:

HORIZONTAL AND VERTICAL CONTROL DATA IS BASED ON HUNTERS POINT WEST 1 PID
HT0613 CALIFORNIA COORDINATE ZONE SYSTEM ZONE 3 NAD27, NAVD29.



Pg 3 of 3

Bellecci & Associates, inc.
Civil Engineering • Land Surveying
2290 Diamond Boulevard, Suite 100 Concord, CA 94520
Phone (925) 855-4569 Fax (925) 855-4636

SHEET
1
OF 1
JOB NO.
18101

Asphalt Compaction

SECO Job No: 69994-1

INSPECTION REPORT

Report No.: **INSP-30**

Date: 12/2/2018

Distributed To:

EMAIL: CB & I FEDERAL SERVICES

To: CB&I FEDERAL SERVICES, LLC
ACCOUNTS PAYABLE
1230 COLUMBIA STREET, STE. 120
SAN DIEGO, CA 92101

Subject: **GEOTECHNICAL SERVICES PARCEL
HUNTERS POINT, CA**

**GEOTECH. SERVICES PARCEL E-2
CONTRACT #: CBI#500506**

Attached are inspection reports for the week ending 11/9/2018 for the subject project:

<u>Report By</u>	<u>Report Dated</u>	<u>Report Title</u>
BARNES, MATTHEW	11/09/2018	Daily Inspection Report for 11/7/2018 thru 11/9/2018
HAWVICHORST, ANDREW	11/09/2018	Daily Inspection Report for 11/6/2018 thru 11/9/2018



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # N/A
DSA Appl. # N/A
OSHDP # N/A
Permit # N/A

DAILY SPECIAL INSPECTION REPORT

Project Name: Geotechnical Services Parcel E-2, CBI# 500506 Date: 11/7/2018
Project Address: Hunters Point, San Francisco SESF Job # 69994-1
Inspection Location: Nuclear Gage correlation
Inspection(s) Performed: Coring Hot Mix Asphalt - Sampling
Document(s) Reviewed: _____

Inspection Report:

Coring of HMAC pavement as part of nuclear gage correlation, alongside SE inspector Andrew H.

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

Attachments: _____

Name: Matthew Barnes I.

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: MB I.
Certification # _____
Emp. ID: 2851 Page ____ of ____



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # N/A
DSA Appl. # N/A
OSHDP # N/A
Permit # N/A

DAILY SPECIAL INSPECTION REPORT

Project Name: Geotechnical Services Parcel E-2, CBI# 500506 Date: 11/9/2018
Project Address: Hunters Point, San Francisco SESF Job # 69994-1
Inspection Location: Nuclear Gage correlation
Inspection(s) Performed: Coring Hot Mix Asphalt - Sampling
Document(s) Reviewed: _____

Inspection Report:

Coring of HMAC production pavement, alongside nuclear gage testing by SE inspector Andrew H. All cores collected and delivered to SF lab for laboratory density inspection.

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

Attachments: _____

Name: Matthew Barnes I.

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

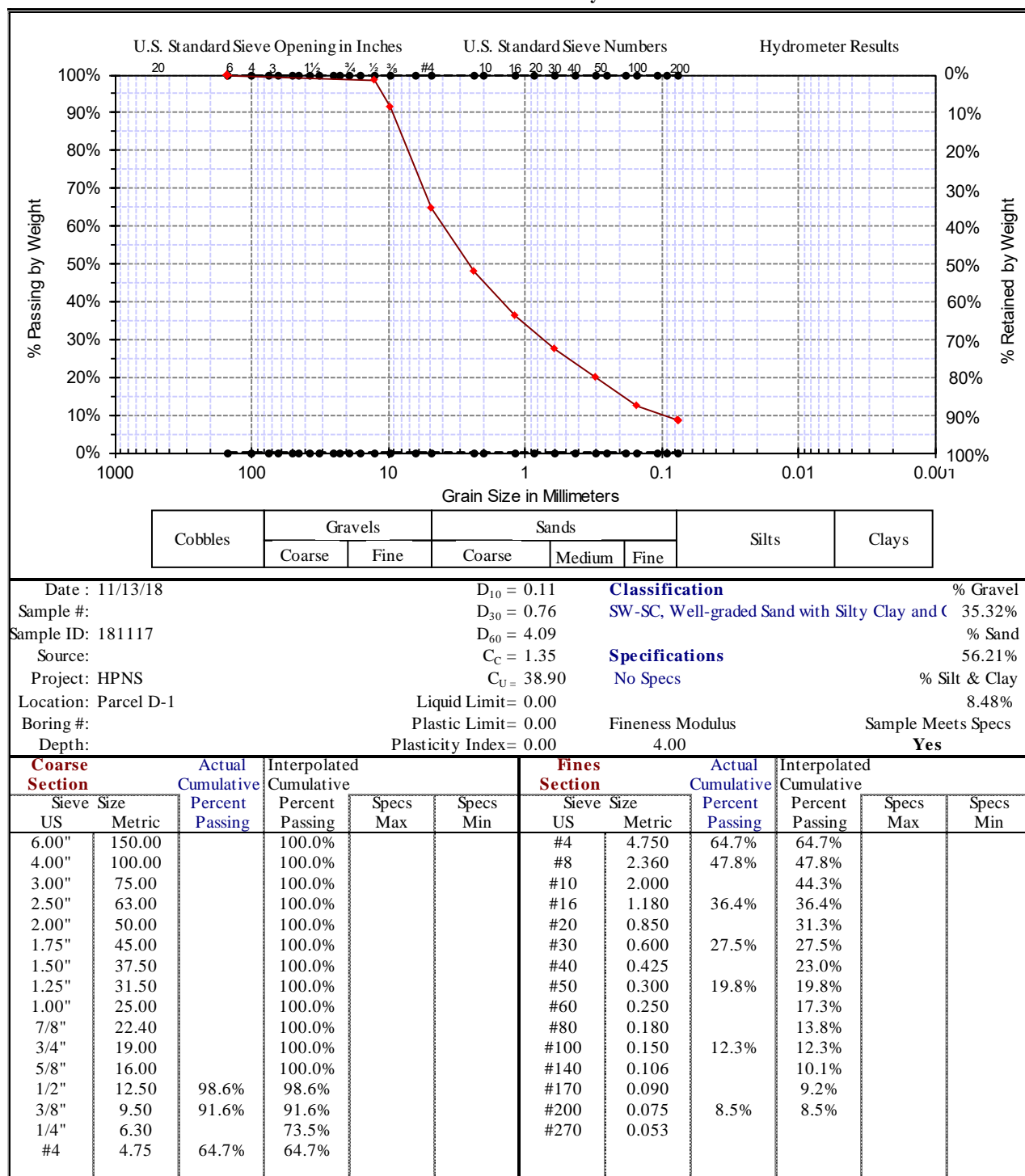
Signature: MB I.
Certification # _____
Emp. ID: 2851 Page ____ of ____

SMITH-EMERY SAN FRANCISCO
An Independent Commercial Testing Laboratory

1940 Oakdale Avenue
San Francisco, CA 94124
(415) 642-7326
Fax (415) 642-7055

791 East Washington Blvd.
Los Angeles, California 90021
(213) 749-3411
Fax (213) 746-7228

CTM 202 Sieve Analysis



Technician	Andy H.	Weather:	0	Temp:	0
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SMITH-EMERY SAN FRANCISCO
An Independent Commercial Testing Laboratory

1940 Oakdale Avenue
San Francisco, CA 94124
(415) 642-7326
Fax (415) 642-7055

791 East Washington Blvd.
Los Angeles, California 90021
(213) 749-3411
Fax (213) 746-7228

Proj./Job No 69994-1
Lab. No.: 181111

Date Received: 11/13/2018
Date Tested: 11/14/2018 California Kneading Compactor
Cox & sons

Project: HPNS Parcel D-1
Location: _____
Subject: Hveem(Asphalt Concrete)
Standard: ASTM D 1561 & ASTM D2726
Source: Samples Molded in the Laboratory
Sampled at: Granite Pleasanton

Report of Test

Sample No.	Weight of Sample, grams			Bulk Sp. Gravity	Density (Lbs/ft ³)	Absorbion Percent
	In Air	In Water	SSD in Air			
1	1236.6	725.7	1240.4	2.403	149.5	0.738
2	1247.6	729.7	1253.2	2.383	148.3	1.070
3	1241.8	725.6	1247.9	2.378	148.0	1.168
				Average	Average	Average
				2.388	148.6	0.99

Bulk S.P. Gravity of Paraffin Wax 0

Remarks: na
Mix: 1/2" HMA
Extraction: na
Moisture: na
Technician: Andy H.

Tested by: 9136
Date: 11/15/2018



SMITH-EMERY SAN FRANCISCO
An Independent Commercial Testing Laboratory

1940 Oakdale Avenue
San Francisco, CA 94124
(415) 642-7326
Fax (415) 642-7055

791 East Washington Blvd.
Los Angeles, California 90021
(213) 749-3411
Fax (213) 746-7228

Proj./Job No.: 69995-1
Lab. No.: 181117

Date Received: 11/16/18
Date Tested: 11/20/2018

Equipment Used:
Rice Apparatus
Vacuum Apparatus

Project: Hunters point naval station
Location: Parcel D-1
Subject: Theoretical Max. Specific Gravity and Density of Bituminous Paving Mixtures
Standard: CTM 309
Source: Samples Obtained from Site
Sampled at: 50 tons

Report of Test

1. Bowl Used Under Water Determination:

Mass of Sample Air (A) = _____ gm.
Mass of Bowl Under Water (B) = _____ gm.
Mass of Bowl and Sample Under Water (C) = _____ gm.
$$G_{mm} = \frac{A}{A - (C-B)}$$

where:

G_{mm} = Max. Specific Gravity of the Mixture = _____

2. Bowl in Air Determination:

Mass of Sample Air (A) = 1513.9 gm.
Mass of Lid and Bowl with Water at 25 °C (D) = 7498.6 gm.
Mass of Lid, Bowl and Sample with Water at 25 °C (E) = 8353.3 gm.
$$G_{mm} = \frac{A}{A + D - E}$$

where:

G_{mm} = Max. Specific Gravity of the Mixture = 2.297

Calibration: 7498.1
7499
7498.1
Final Cal. (gm): 7498.4

Density = 143.3 lbs/ft³

Tested by: ZS
Date: 11/21/2018



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LEA #56

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DSA Appl. # _____
OSHPD # _____
Permit # _____

DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL-SERV: PARCEL E-2 COLT S00506 Date: 11/6/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1 / PSY WRST
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
01	#1	REF: MAP	S.C.	144.6	150.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02		DATED 11/6/18	S.C.	143.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03		1/2 AC.	S.C.	142.8		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04			S.C.	144.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05			S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06			S.C.	143.7		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07			S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08			S.C.	145.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10			S.C.	144.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11			S.C.	143.7		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12			S.C.	144.8		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13			S.C.	143.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
#1	1/2" AC.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

SURFACE COURSE = S.C.

ASTM: D1559

Attachments: _____

Name: ANDREW HAWVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:

Certification # _____

Emp. ID: 2324 Page 1 of 3



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(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL SERV: PARKER R-2 CR/S 500506 Date: 11/6/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARKER D-1 / RSY WEST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
14	H1	Pg 203	S.C.	143.7	150.4	95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15		1/2 A.C.	S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16		CONTINUED.	S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17			S.C.	144.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20			S.C.	142.8		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21			S.C.	144.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23			S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24			S.C.	144.9		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25			S.C.	143.7		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
H1	1/2" A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested In Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

ASTM: D1559

Attachments: _____

Name: ANDREW MALVICHORSE

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:
Certification # _____
Emp. ID: 2324 Page 2 of 3



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DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SEBU: PARCEL E-2 CBL 2500006 Date: 11/6/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1 / R54 WEST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
26	#1	PA 3013	S.C.	145.4	150.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27		1/2 A.C.	S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28			S.C.	144.7		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
29			S.C.	143.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
31			S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
32			S.C.	145.3		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
33			S.C.	144.9		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
34			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
35			S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
#1	1/2" A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

ASTM: D1559

Attachments: _____

Name: ANDREW HANVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:
Certification # _____
Emp. ID: 2324 Page 3 of 3



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DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SIERRA PARCEL E-2 CB18 500506 Date: 11/7/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1 / RSY WEST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
01	#1	REF: MAP	S.C.	143.7	150.4	95	95	<input type="checkbox"/>	<input type="checkbox"/>
02		DATED 11/7/18	S.C.	144.2		96	95	<input type="checkbox"/>	<input type="checkbox"/>
03		1/2 A.C.	S.C.	142.9		95	95	<input type="checkbox"/>	<input type="checkbox"/>
04			S.C.	144.6		96	95	<input type="checkbox"/>	<input type="checkbox"/>
05			S.C.	145.4		96	95	<input type="checkbox"/>	<input type="checkbox"/>
06			S.C.	143.9		95	95	<input type="checkbox"/>	<input type="checkbox"/>
07			S.C.	141.6		96	95	<input type="checkbox"/>	<input type="checkbox"/>
08			S.C.	145.4		96	95	<input type="checkbox"/>	<input type="checkbox"/>
09			S.C.	143.7		95	95	<input type="checkbox"/>	<input type="checkbox"/>
10			S.C.	142.9		95	95	<input type="checkbox"/>	<input type="checkbox"/>
11			S.C.	144.6		96	95	<input type="checkbox"/>	<input type="checkbox"/>
12			S.C.	143.7		95	95	<input type="checkbox"/>	<input type="checkbox"/>
13			S.C.	144.5		96	95	<input type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
#1	1/2" A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____

Notified (Required) _____

SURFACE-COURSE - S.C.

ASTM: D1559

Attachments: _____

Name: ANDREW HUNVICHORE

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: _____
Certification # _____

Emp. ID: 2324

Page 1 of 3



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DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SEEN: PARCEL R-2 C18/E 500906 Date: 11/7/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1 / RSY WRST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
14	H 1	REF. PY 20 J 3	S.C.	145.4	150.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15		CONTINUED	S.C.	144.9		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16			S.C.	145.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18			S.C.	143.2		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20			S.C.	144.5		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21			S.C.	142.8		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23			S.C.	144.9		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24			S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
#1	1/2" A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

ASTM: D1559

Attachments: _____

Name: ANDREW HAWVICHORSE

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:
Certification # _____
Emp. ID: 2324 Page 2 of 3



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LEA #56

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Permit # _____

DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL-SEEN: PARCEL E-2 CBL 500506 Date: 11/7/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1 / R54 WEST
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
26	#1	CONTINUED	S.C.	144.3	150.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27		FM: Pg 30 & 33	S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
29			S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30			S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
31			S.C.	143.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
32			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
33			S.C.	144.8		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
34			S.C.	145.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
35			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
#1	1/2" A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____

Notified (Required) _____

ASTM: D1559

Attachments: _____

Name: ANDREW HAWVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: [Signature]
Certification # _____
Emp. ID: 2324 Page 3 of 3



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LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY SPECIAL INSPECTION REPORT

Project Name: GEOTECHNICAL - SERV: PARCEL E-2 CBL2500506 Date: 11/8/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1 / R54 WEST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Inspection Report:

ON-SITE FOR TESTING OF $\frac{1}{2}$ " D.C. HMA
INFORMED BY APTEN NO TESTING DUE TO
PATCH PLANT (GRANITE ROCK R.W.C.) BREAKDOWN.

Work ☐ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A
Material ☐ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A
Material Tested ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance:

Notified (Required) _____

Attachments: _____

Name: ANDREW HAUZCHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: _____

Certification # _____

Emp. ID: 2324

Page 1 of 1

SECO Job No: 69994-1

INSPECTION REPORT

Report No.: **INSP-31**

Date: 12/14/2018

Distributed To:

EMAIL: CB & I FEDERAL SERVICES

To: CB&I FEDERAL SERVICES, LLC
ACCOUNTS PAYABLE
1230 COLUMBIA STREET, STE. 120
SAN DIEGO, CA 92101

Subject: **GEOTECHNICAL SERVICES PARCEL
HUNTERS POINT, CA**

**GEOTECH. SERVICES PARCEL E-2
CONTRACT #: CBI#500506**

Attached are inspection reports for the week ending 11/9/2018 for the subject project:

Report By

HAWVICHORST, ANDREW

Report Dated

11/09/2018

Report Title

Daily Inspection Report for 11/9/2018



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY SPECIAL INSPECTION REPORT

Project Name: GEOTECHNICAL - SERV: PARCEL E-2 CR (150000) Date: 11/9/18
Project Address: HUNTERS POINT SESF Job # 69994-1
Inspection Location: PARCEL D-1 / RSY WEST
Inspection(s) Performed: COMPACTION - TESTING
Document(s) Reviewed: _____

Inspection Report:

ON-SITE FOR HMM TESTING / SAMPLING OF
1/2 A.C. FROM GRANITE PAVEMENT, PREPENDING
LAB - DATA FROM COLLECTED SAMPLES

Work ☐ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A
Material ☐ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A
Material Tested ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance:

Notified (Required) _____

Attachments: _____

Name: ANDREW HANVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: [Signature]
Certification # _____
Emp. ID: 2324 Page 1 of 1



SMITH-EMERY SAN FRANCISCO
1940 Oakdale Ave, San Francisco, CA 94124
(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL - SERV. PARCEL E-2 C501 Date: 11/9/18
Project Address: HUNTERS POINT 500506 SESF Job # 69994-1
Inspection Location: PARCEL - D-1 / RSY-WEST
Inspection(s) Performed: COMPACTION
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
01		REF: WAP	S.C.	143.4		148.6	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02			S.C.	142.9			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03			S.C.	141.7			95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04			S.C.	143.4			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05			S.C.	142.6			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06			S.C.	143.6			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07			S.C.	142.9			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08			S.C.	141.4			95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09			S.C.	143.9			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10			S.C.	142.8			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11			S.C.	142.9			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12			S.C.	143.4			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	1/2 A.C. FROM GRANITE PLEASANTON			148.6

Work ☐ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A
Material ☐ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A
Material Tested ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☐ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASTM: D1559

Attachments: None

Name: ANDREW HAWVICHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:
Certification #: _____
Emp. ID: 2324 Page 1 of 2



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LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - COMPACTION TEST REPORT

Project Name: GEOTECHNICAL-SERV: PARCEL E-2 CBI Date: 11/9/18
Project Address: HUNTERS POINT 500506 SESF Job # 69994-1
Inspection Location: PARCEL D-1 / PSY-WIEST
Inspection(s) Performed: _____
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	% Moist	Density (pcf)		% Rel. Compaction		Pass	Fail
					Dry	Max	Field	Spec.		
13		CONTINUED PG 1	S.C.	142.6		142.6	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14			S.C.	143.4			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15			S.C.	141.9			95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16			S.C.	142.8			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17			S.C.	143.4			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18			S.C.	142.9			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19			S.C.	141.7			95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20			S.C.	141.8			95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21			S.C.	143.7			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22			S.C.	142.6			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23			S.C.	143.4			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24			S.C.	141.7			95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25			S.C.	142.9			96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Soil Type #	Soil Type / Description	USCS Soil Class	Optimum Moisture (%)	Max Dry Density (pcf)
	1/2 A.C. FROM: GRANITE PLEASANTON.			148.6

Work ☐ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A
Material ☐ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A
Material Tested ☐ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☐ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required): _____

ASPM: D1559

Attachments: None

Name: ANDREW HAWVICHORSKY

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: _____
Certification #: _____
Emp. ID: 2324 Page 2 of 2



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Fax (415) 642-7055

791 East Washington Blvd.
Los Angeles, California 90021
(213) 749-3411
Fax (213) 746-7228

Proj./Job No.: 69995-1
Lab. No.: 181117

Date Received: 11/16/2018
Date Tested: 11/20/2018

Equipment Used:
Gilson BSG Water Tank
AND GP-20K Scale

Project: Hunters point naval station
Location: Parcel D-1
Subject: Density(Asphalt Concrete)
Standard: CTM 308
Source: Cores
Sampled at: Site

Report of Test

Sample No.	Weight of Sample, grams			Bulk Volume (cc)	Bulk Volume (cc)	Bulk Sp. Gravity	Unit Weight (pcf)
	In Air	In Water	SSD in Air				
R1/ 1.851	789.7	462.3	791.2	1.5	327.4	2.412	150.1
R2/ 1.819	762.5	443.1	764	1.5	319.4	2.387	148.6
R3/ 1.852	768.7	446.9	770.3	1.6	321.8	2.389	148.7
R4/ 1.828	753.2	438.2	756.3	3.1	315.0	2.391	148.8
R5/ 3.458	1459.9	852.5	1461.3	1.4	607.4	2.404	149.6
R6/ 3.281	1391.7	811.8	1394.6	2.9	579.9	2.400	149.4
R7/ 3.216	1379.6	804.3	1382.8	3.2	575.3	2.398	149.3
R8/ 3.263	1385.7	804.8	1388.2	2.5	580.9	2.385	148.5
R9/ 2.210	878.7	496.6	884.2	5.5	382.1	2.300	143.1
R10/ 2.180	869.1	493.1	874.7	5.6	376.0	2.311	143.9
R11/ 2.199	854.9	487.1	861.5	6.6	367.8	2.324	144.7
R12/ 2.215	873.1	494.7	875.5	2.4	378.4	2.307	143.6
R13/ 2.419	1027.5	596.1	1029.5	2.0	431.4	2.382	148.2
R14/ 2.456	982.5	564.5	986.3	3.8	418.0	2.350	146.3
						2.40	149.1

Bulk S.P. Gravity of Paraffin Wax 1

Remarks: Sample No. includes sample height & location . R= Random - as all cores where taken at random
Mix: 1/2" HMA
Extraction: na
Moisture: na
Inspector: Andy H.

Tested by: Jah Lopez
Date: 11/21/2018

SECO Job No: 69994-1

INSPECTION REPORT

Report No.: **INSP-32**

Date: 12/14/2018

Distributed To:

EMAIL: CB & I FEDERAL SERVICES

To: CB&I FEDERAL SERVICES, LLC
ACCOUNTS PAYABLE
1230 COLUMBIA STREET, STE. 120
SAN DIEGO, CA 92101

Subject: **GEOTECHNICAL SERVICES PARCEL
HUNTERS POINT, CA**

**GEOTECH. SERVICES PARCEL E-2
CONTRACT #: CBI#500506**

Attached are inspection reports for the week ending 11/16/2018 for the subject project:

<u>Report By</u>	<u>Report Dated</u>	<u>Report Title</u>
BARNES, MATTHEW	11/13/2018	Daily Inspection Report for 11/13/2018
HAWVICHORST, ANDREW	11/13/2018	Daily Inspection Report for 11/13/2018



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DSA File # N/A
DSA Appl. # N/A
OSHPD # N/A
Permit # N/A

DAILY SPECIAL INSPECTION REPORT

Project Name: Geotechnical Services Parcel E-2, CBI# 500506 Date: 11/13/2018
Project Address: Hunters Point, San Francisco SESF Job # 69994-1
Inspection Location: HMAC Production Paving
Inspection(s) Performed: Coring Hot Mix Asphalt - Sampling
Document(s) Reviewed:

Inspection Report:

Coring of HMAC production pavement, alongside nuclear gage testing by SE inspector Andrew H. All cores collected and delivered to SF lab for laboratory density inspection.

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

Attachments: _____

Name: Matthew Barnes I.

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: MB I.
Certification # _____
Emp. ID: 2851 Page ____ of ____



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(415) 642-7326
LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL-SERV: PARCEL E-2 CB/2500506 Date: 11/13/18
Project Address: HUNTERS PT. SESF Job # 69994-1
Inspection Location: PARCEL D-1 / ESY WEST
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
01		REF: MAP	S.C.	144.6	150.4	96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
02		VARIOUS LOCATIONS	S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
03			S.C.	143.2		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
04			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
05			S.C.	143.4		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
06			S.C.	145.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
07			S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
08			S.C.	144.2		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
09			S.C.	142.8		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10			S.C.	144.5		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11			S.C.	143.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
	1/2 A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHPD ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

S.C. = SURFACE COURSE

ASTM: D1557

Attachments: _____

Name: ANDREW VANBECHORST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: [Signature]
Certification # _____
Emp. ID: 2324 Page 1 of 3



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LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL SERV: PARCEL E-2 C01500506 Date: 11/13/18
Project Address: HUNTERS PT. SESF Job # 69994-1
Inspection Location: PARCEL D-1 / 254 WEST
Inspection(s) Performed: COMPACTION- TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
13			S.C.	146.4	150.4	97	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14		CONTINUED PA 1	S.C.	145.9		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15			S.C.	142.8		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16			S.C.	143.4		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17			S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20			S.C.	144.8		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21			S.C.	145.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24			S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25			S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
	1/2" A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

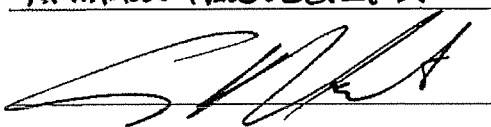
Work Not In Compliance: _____ Notified (Required) _____

ASTM: D1559

Attachments: _____

Name: ANDREW HAWUCHARST

CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature: 
Certification # _____
Emp. ID: 2324 Page 2 of 3



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LEA #56

DSA File # _____
DSA Appl. # _____
OSHDP # _____
Permit # _____

DAILY - HMA COMPACTION TEST REPORT

Project Name: GEOTECHNICAL SERV: PARCEL E-2 CRJ 500506 Date: 11/13/18
Project Address: HUNTERS PT. SESF Job # 69994-1
Inspection Location: PARCEL D-1 / RSY WEST
Inspection(s) Performed: COMPACTION-TESTING
Document(s) Reviewed: _____

Test #	Soil Type #	Location	Elev.	Density (pcf)		% Rel. Compaction		Pass	Fail
				Field	Max	Field	Spec.		
26		Pg 3 CONTINUED	S.C.	143.7	150.4	95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27			S.C.	145.4		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28			S.C.	142.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
29			S.C.	144.6		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30			S.C.	144.8		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
31			S.C.	143.9		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
32			S.C.	145.3		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
33			S.C.	143.6		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
34			S.C.	144.2		96	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
35			S.C.	143.8		95	95	<input checked="" type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>

HMA Type #	HMA Description	Max Density (pcf)
	1/2" A.C.	150.4

Work ☒ WAS ☐ WAS NOT Inspected in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Work Inspected ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material ☒ WAS ☐ WAS NOT Sampled and Tested in Accordance with the Requirements of ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A
Material Tested ☒ MET ☐ DID NOT MEET The Requirements of the ☐ DSA ☐ OSHDP ☒ JURISDICTION Approved Documents ☐ N/A

Work Not In Compliance: _____ Notified (Required) _____

ASTM: D1559

Attachments: _____

Name: ANDREW HAWKINS

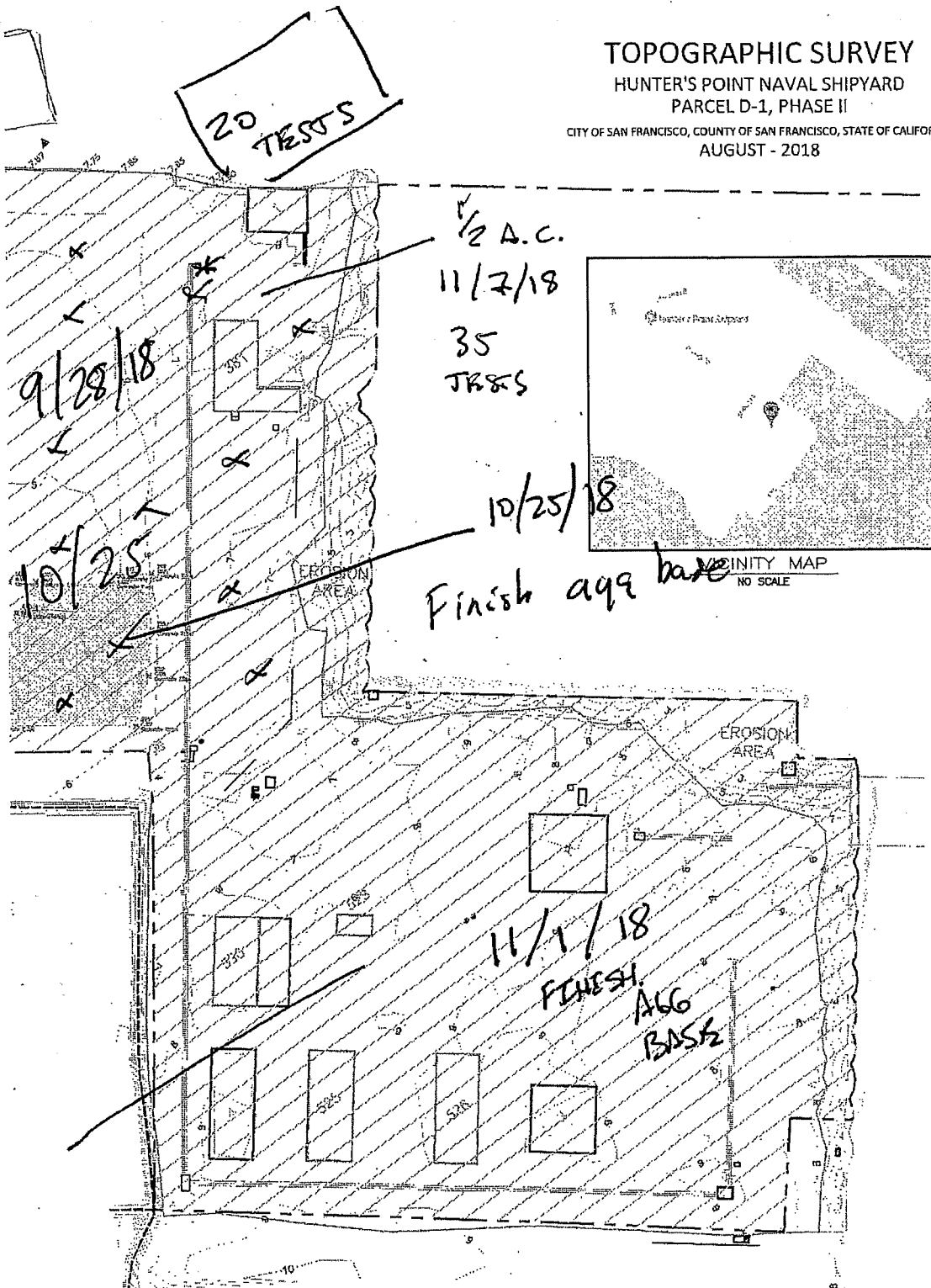
CC: DSA Regional Office
Project Architect
Structural Engineer
Project Inspector
School District

Signature:
Certification # _____
Emp. ID: 2324 Page 3 of 3

TOPOGRAPHIC SURVEY

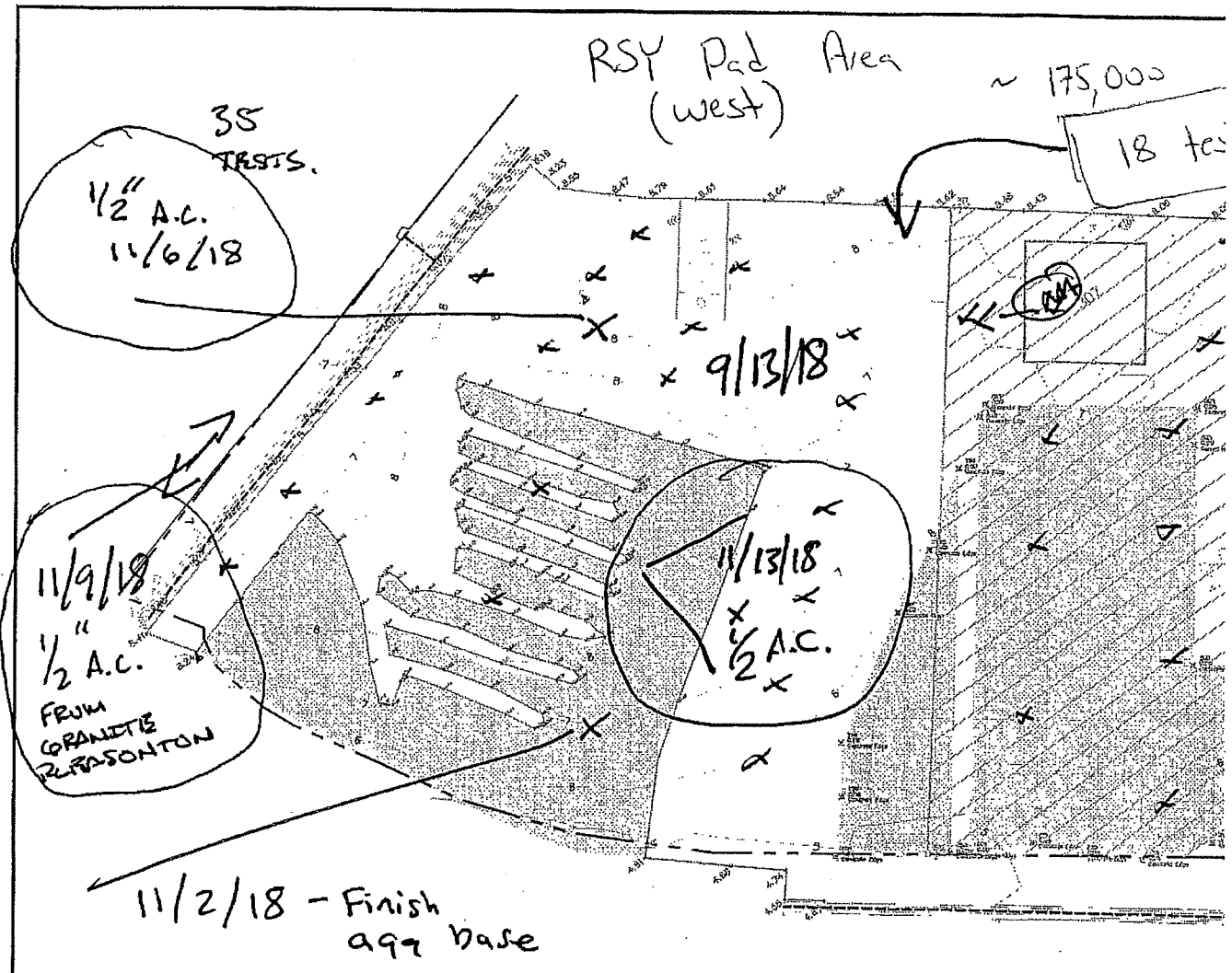
HUNTER'S POINT NAVAL SHIPYARD
PARCEL D-1, PHASE II

CITY OF SAN FRANCISCO, COUNTY OF SAN FRANCISCO, STATE OF CALIFORNIA
AUGUST - 2018



Bellecci & Associates, inc.
Civil Engineering • Land Surveying
2290 Diamond Boulevard, Suite 100 Concord, CA 94520
Phone (925) 885-4560 Fax (925) 885-4536

SHEET
1
OF
1
JOB NO.
18101



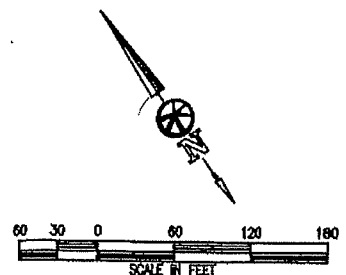
LEGEND

▲	SURVEY SET ROD NAIL	AC	ASPHALT CONCRETE	G	GROUND
●	SURVEY MONUMENT	BSTEP	BOTTOM STEP	GB	GRADE BREAK
○	POWER POLE	CL	CENTERLINE	MH	MANHOLE
①	UTIL. MH	C/C/C	CONCRETE	PP	POWER POLE
★	UTIL. STREET LIGHT	EC/EC	END OF CURVE/CONCRETE	TTC	TOP OF CURB
*	UTIL. VALVE	EP	EDGE OF PAVEMENT	TSTEP	TOP OF STEP
—○—	CHAIN LINK FENCE	FEN/FNC	FENCE	UTIL	UTILITY
—	WALL	FL	FLOW LINE	VLV	VALVE
		FW	FOUND	VLV	VALVE

DATUM NOTE:

HORIZONTAL AND VERTICAL CONTROL DATA IS BASED ON HUNTERS POINT WEST 11 HYD613 CALIFORNIA COORDINATE ZONE SYSTEM ZONE 3 NAD83, NAD83.

Pg 3 of 3





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791 East Washington Blvd.
Los Angeles, California 90021
(213) 749-3411
Fax (213) 746-7228

Proj./Job No.: 69995-1
Lab. No.: 181117

Date Received: 11/15/2018
Date Tested: 11/20/2018

Equipment Used:
Gilson BSG water tank
AND GP-20K scale

Project: Hunters point naval station
Location: Parcel D-1
Subject: Density(Asphalt Concrete)
Standard: CTM 308
Source: Cores
Sampled at: Site

Report of Test

Sample No.	Weight of Sample, grams			Bulk Volume (cc)	Bulk Volume (cc)	Bulk Sp. Gravity	Unit Weight (pcf)
	In Air	In Water	SSD in Air				
R15/ 2.352	975.3	565.2	984.4	9.1	410.1	2.378	148.0
R16/ 2.396	988.1	574.6	989.9	1.8	413.5	2.390	148.7
R17/ 3.255	1304.5	753.3	1308.2	3.7	551.2	2.367	147.3
R18/ 2.815	1164.2	670.3	1169.8	5.6	493.9	2.357	146.7
R19/ 3.135	1249.4	720.7	1250.7	1.3	528.7	2.363	147.1
R20/ 2.726	1103.4	636.8	1110.9	7.5	466.6	2.365	147.2
R21/ 2.590	1067.1	614.5	1072.5	5.4	452.6	2.358	146.7
R22/ 2.802	1088.5	627.4	1093.3	4.8	461.1	2.361	146.9
R23/ 2.839	1101.1	635.5	1104.1	3.0	465.6	2.365	147.2
R24/ 2.577	1075.8	621.3	1077.6	1.8	454.5	2.367	147.3
						2.38	148.0

Bulk S.P. Gravity of Paraffin Wax 1

Remarks: Sample No. includes height & location. R= Random- as all cores were taken at random.
Mix: 1/2" HMA
Extraction: na
Moisture: na
Inspector: Andy H.

Tested by: _____
Date: 11/21/2018

Appendix L

Instrument Calibration and Gamma Walkover Survey Data

(provided on electronic copy only)

Instrument Calibration Information

Background Determination

Instrument Model	Instrument Serial #	Probe Model	Probe Serial #	Calibration Due Date
2221	117634	44-20	PR269980	6/29/2019

Surface Type :	Table Top (trailer)	
Date Collected :	7/9/2018	
Collected By :	D.Gerg	
Count Time	1	

#	Counts	cpm
1	7610	7610
2	7588	7588
3	7600	7600
4	7768	7768
5	8678	8678
6	8077	8077
7	8249	8249
8	8016	8016
9	7755	7755
10	7791	7791
Mean	7913.2	
Std dev	348.31	
20%	1582.6	

Bkgd - 20% (cpm)
6331

Bkgd + 20% (cpm)
9495

Completed By :	David Gerg	Date :	7/9/2018
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Reviewed By :	Randall Killpack	Date :	7/9/2018
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Source Determination

Instrument Model	Instrument Serial #	Probe Model	Probe Serial #	Calibration Due Date
2221	117634	44-20	PR269980	6/29/2019

Source ID #	Source Nuclide	Initial Source Activity (μCi)	Assay Date	Half Life	Decayed Source Activity (μCi)
1405-22-4	Cs-137	9.856	11/1/2009	30.17	8.072

Surface Type :	Table Top (trailer)	
Date Collected :	7/9/2018	
Collected By :	D.Gerg	
Count Time	1	

#	Counts	cpm
1	384222	384222
2	384017	384017
3	384995	384995
4	385486	385486
5	384594	384594
6	386728	386728
7	386806	386806
8	387932	387932
9	385984	385984
10	385747	385747
Mean	385651.1	
Std dev	1251.8	
20%	77130.2	

Source - 20%
308521

Source + 20%
462781

Completed By :	David Gerg	Date :	7/9/2018
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Reviewed By :	Randall Killpack	Date :	7/9/2018
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Source ID #	Source Nuclide	Initial Source Activity (μCi)	Creation Date	Half Life (yrs)	Decayed Source Activity (μCi)
1405-22-4	Cs-137	9.856	11/1/2009	30.17	8.072
Instrument Model	Probe Model	Instrument Serial #	Probe Serial #	Calibration Date	Calibration Due Date
2221	44-20	117634	PR269980	6/29/2018	6/29/2019
				Calibration	OK

*Any dates not represented indicates instrument not used.

Date	Background (CPM)	Source (CPM)	Pass or Fail Background	Pass or Fail Source	Instrument not used	Notes
7/9/2018	7791	385747	PASS	PASS		
7/10/2018	7609	387711	PASS	PASS		
7/11/2018	7021	388517	PASS	PASS		
7/12/2018	7625	410307	PASS	PASS		
7/13/2018	7514	421903	PASS	PASS		
7/16/2018	7122	395558	PASS	PASS		
7/17/2018	6818	404904	PASS	PASS		
7/18/2018	7183	416507	PASS	PASS		
7/19/2018	7491	396163	PASS	PASS		
7/20/2018	6810	383858	PASS	PASS		
7/23/2018	7632	401195	PASS	PASS		
7/24/2018	6863	402387	PASS	PASS		
7/25/2018	7800	381646	PASS	PASS		
7/26/2018	7621	386720	PASS	PASS		
7/27/2018	7064	395554	PASS	PASS		
7/30/2018	7643	397194	PASS	PASS		
7/31/2018	7442	384013	PASS	PASS		
8/1/2018	7770	384545	PASS	PASS		
8/2/2018	7527	388924	PASS	PASS		
8/3/2018	7273	406137	PASS	PASS		
8/6/2018	7438	389099	PASS	PASS		
8/7/2018	7455	401878	PASS	PASS		
8/8/2018	7630	390123	PASS	PASS		
8/9/2018	7493	393835	PASS	PASS		
8/10/2018	7387	381869	PASS	PASS		
8/13/2018	7901	401517	PASS	PASS		
8/14/2018	7611	392418	PASS	PASS		
8/15/2018	7661	401184	PASS	PASS		
8/16/2018	7391	400153	PASS	PASS		
8/17/2018	7153	398364	PASS	PASS		
8/20/2018	7397	399556	PASS	PASS		
8/21/2018	7458	410501	PASS	PASS		
8/22/2018	7634	402193	PASS	PASS		
8/23/2018	7678	400732	PASS	PASS		
8/24/2018	7195	406343	PASS	PASS		
8/27/2018	7544	400723	PASS	PASS		

Source ID #	Source Nuclide	Initial Source Activity (μCi)	Creation Date	Half Life (yrs)	Decayed Source Activity (μCi)
1405-22-4	Cs-137	9.856	11/1/2009	30.17	8.072
Instrument Model	Probe Model	Instrument Serial #	Probe Serial #	Calibration Date	Calibration Due Date
2221	44-20	117634	PR269980	6/29/2018	6/29/2019
				Calibration	OK

*Any dates not represented indicates instrument not used.

Date	Background (CPM)	Source (CPM)	Pass or Fail Background	Pass or Fail Source	Instrument not used	Notes
8/28/2018	7578	400662	PASS	PASS		
8/29/2018	7542	398723	PASS	PASS		
8/30/2018	7611	399273	PASS	PASS		
8/31/2018	7597	399770	PASS	PASS		
9/4/2018	7418	398873	PASS	PASS		
9/5/2018	8108	380256	PASS	PASS		
9/6/2018	7602	400101	PASS	PASS		
9/7/2018	7623	399492	PASS	PASS		
9/10/2018	7405	394154	PASS	PASS		
9/11/2018	7548	400163	PASS	PASS		
9/12/2018	8062	394846	PASS	PASS		
9/13/2018	7565	401673	PASS	PASS		
9/14/2018	7726	402117	PASS	PASS		
9/17/2018	7511	394909	PASS	PASS		
9/18/2018	7796	399516	PASS	PASS		
9/19/2018	7620	397536	PASS	PASS		
9/20/2018	8226	361895	PASS	PASS		
9/21/2018	8493	399217	PASS	PASS		
9/24/2018	8111	400182	PASS	PASS		
9/25/2018	7959	397421	PASS	PASS		
9/26/2018	7773	399440	PASS	PASS		
9/27/2018	7709	400145	PASS	PASS		
9/28/2018	7509	400566	PASS	PASS		
10/1/2018	7316	399470	PASS	PASS		
10/2/2018	7501	400088	PASS	PASS		
10/3/2018	7678	398337	PASS	PASS		
10/4/2018	7516	396723	PASS	PASS		
10/5/2018	7613	400004	PASS	PASS		
10/8/2018	7649	400244	PASS	PASS		
10/9/2018	9002	400228	PASS	PASS		
10/10/2018	7806	399921	PASS	PASS		
10/11/2018	7536	398817	PASS	PASS		
10/12/2018	7707	400116	PASS	PASS		
10/15/2018	7742	401125	PASS	PASS		
10/16/2018	7756	398323	PASS	PASS		
10/17/2018	7502	397371	PASS	PASS		

Source ID #	Source Nuclide	Initial Source Activity (μCi)	Creation Date	Half Life (yrs)	Decayed Source Activity (μCi)
1405-22-4	Cs-137	9.856	11/1/2009	30.17	8.072
Instrument Model	Probe Model	Instrument Serial #	Probe Serial #	Calibration Date	Calibration Due Date
2221	44-20	117634	PR269980	6/29/2018	6/29/2019
				Calibration	OK

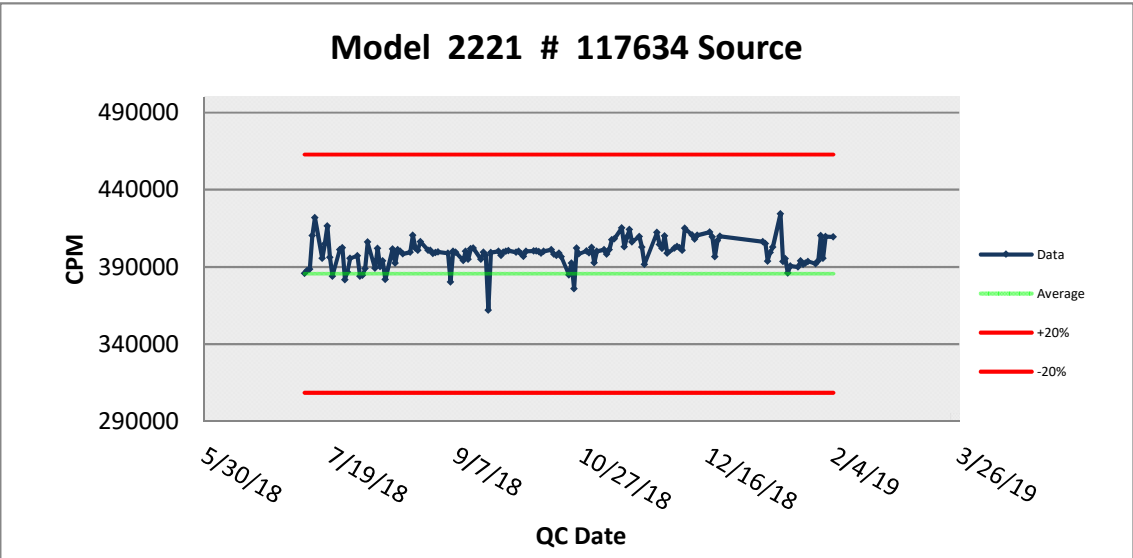
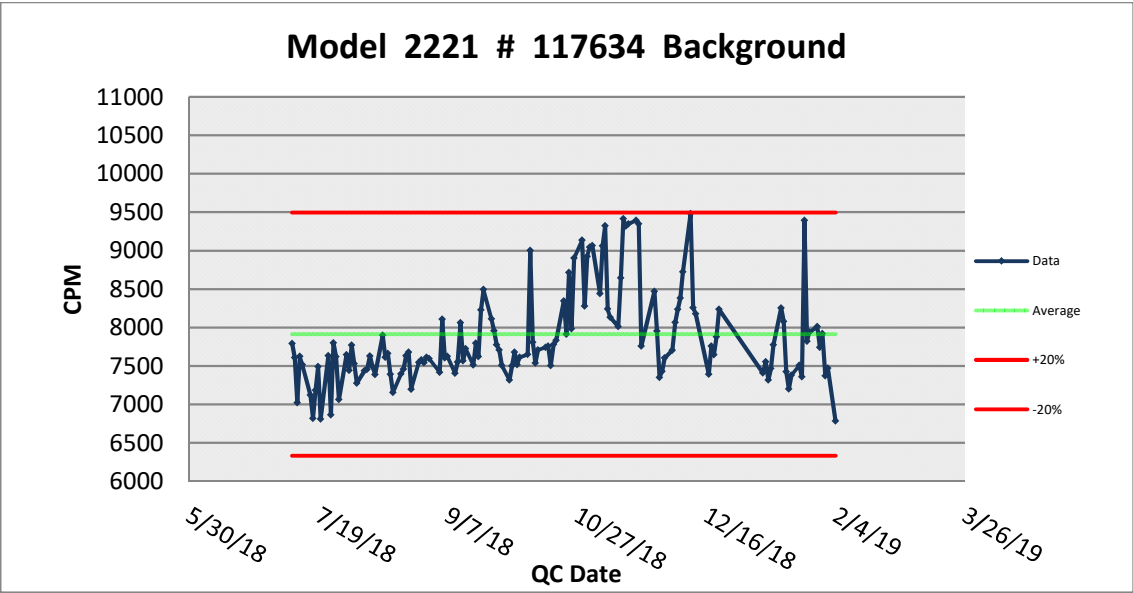
*Any dates not represented indicates instrument not used.

Date	Background (CPM)	Source (CPM)	Pass or Fail Background	Pass or Fail Source	Instrument not used	Notes
10/18/2018	7778	398881	PASS	PASS		
10/19/2018	7831	396522	PASS	PASS		
10/22/2018	8345	384831	PASS	PASS		
10/23/2018	7913	392514	PASS	PASS		
10/24/2018	8714	375942	PASS	PASS		
10/25/2018	7983	402170	PASS	PASS		
10/26/2018	8901	398425	PASS	PASS		
10/29/2018	9135	400273	PASS	PASS		
10/30/2018	8277	399147	PASS	PASS		
10/31/2018	8924	402651	PASS	PASS		
11/1/2018	9045	392658	PASS	PASS		
11/2/2018	9063	400193	PASS	PASS		
11/5/2018	8439	401186	PASS	PASS		
11/6/2018	9060	398166	PASS	PASS		
11/7/2018	9322	401225	PASS	PASS		
11/8/2018	8240	407556	PASS	PASS		
11/9/2018	8134	408157	PASS	PASS		
11/12/2018	8012	415297	PASS	PASS		
11/13/2018	8643	402963	PASS	PASS		
11/14/2018	9416	409184	PASS	PASS		
11/15/2018	9317	414137	PASS	PASS		
11/16/2018	9346	406075	PASS	PASS		
11/19/2018	9393	409605	PASS	PASS		
11/20/2018	9347	402856	PASS	PASS		
11/21/2018	7757	391648	PASS	PASS		
11/26/2018	8469	412255	PASS	PASS		
11/27/2018	7954	404523	PASS	PASS		
11/28/2018	7348	401938	PASS	PASS		
11/29/2018	7429	410055	PASS	PASS		
11/30/2018	7603	398952	PASS	PASS		
12/3/2018	7705	402076	PASS	PASS		
12/4/2018	8067	403202	PASS	PASS		
12/5/2018	8236	402429	PASS	PASS		
12/6/2018	8383	400782	PASS	PASS		
12/7/2018	8722	415077	PASS	PASS		
12/10/2018	9481	410750	PASS	PASS		

Source ID #	Source Nuclide	Initial Source Activity (μCi)	Creation Date	Half Life (yrs)	Decayed Source Activity (μCi)
1405-22-4	Cs-137	9.856	11/1/2009	30.17	8.072
Instrument Model	Probe Model	Instrument Serial #	Probe Serial #	Calibration Date	Calibration Due Date
2221	44-20	117634	PR269980	6/29/2018	6/29/2019
				Calibration	OK

*Any dates not represented indicates instrument not used.

[illegible]





Certificate of Calibration

Calibration and Voltage Plateau

Environmental Restoration Group, Inc.
8809 Washington St NE, Suite 150
Albuquerque, NM 87113
(505) 298-4224
www.ERGoffice.com

Meter: Manufacturer: Ludlum Model Number: 2221r Serial Number: 117634
Detector: Manufacturer: Ludlum Model Number: 44-20 Serial Number: PR269980

☒ Mechanical Check ☒ THR/WIN Operation
☒ F/S Response Check ☒ Reset Check
☒ Geotropism ☒ Audio Check
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC)

HV Check (+/- 2.5%): ☒ 500 V ☒ 1000 V ☒ 1500 V

Cable Length: ☐ 39-inch ☒ 72-inch ☐ Other:

Source Distance: ☐ Contact ☒ 6 inches ☐ Other:

Threshold: 10 mV

Barometric Pressure: 24.39 inches Hg

Temperature: 74 °F

Source Geometry: ☒ Side ☐ Below ☐ Other:

Window:

Relative Humidity: 20 %

Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	Log Scale Count
x 1000	400	400	400	399953	400
x 1000	100	100	100		100
x 100	400	400	400	39996	400
x 100	100	100	100		100
x 10	400	400	400	4000	400
x 10	100	100	100		100
x 1	400	400	400	400	400
x 1	100	100	100		100

High Voltage

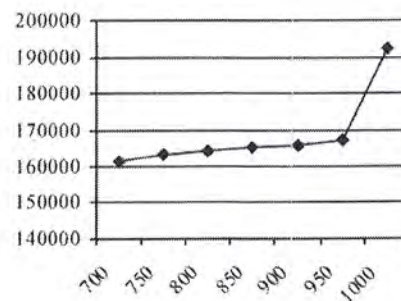
Source Counts

Background

Voltage Plateau

700	161233
750	163515
800	164573
850	165456
900	165952
950	167514
1000	192322

23664



Comments: Scaler count time 1min. Recommended HV = 850

Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fluke multimeter serial number: ☐ 87490128

☐ Alpha Source: Th-230 sn: 4098-03@12,800dpm/6,520 cpm (1/4/12) ☒ Gamma Source: Cs-137 @ 5.2 uCi (1/4/12) sn: 4097-03

☐ Beta Source: Tc-99 sn: 4099-03@17,700dpm/11,100cpm(1/4/12) ☐ Other Source:

Calibrated By:

Calibration Date: 6-29-18

Calibration Due: 6-29-19

Reviewed By:

Date: 6-29-18

ERG Form ITC. 101A

This calibration conforms to the requirements and acceptable calibration conditions of ANSI N323A - 1997



RADIATION SOLUTIONS INC.

A New Generation of Radiation Detection Technology

CERTIFICATE OF COMPLIANCE

Date Issued: September 6, 2018

We hereby certify that the products to the best of our assessment have not changed its response since the system was calibrated June 20, 2016 and fully conforms to RSI standards for RSX-1 detector performance.

This assessment is based on comparing key performance parameters from the system from October 2016 to August 2018 specifically FWHM, gain, and High Voltage.

Sale Order # N/A

Product Name RS-700 system with 2 RSX-1

Product Serial # RSX-1 #5597 , RSX-1 #5678

Confirmed by Quality Representative:

Darrell Brocklehurst P.Eng.





RADIATION SOLUTIONS INC.

A New Generation of Radiation Detection Technology



RADIATION SOLUTIONS INC

CALIBRATION SHEET

Instrument: **RSX-1**

Customer: CB&I

Contact:

Console : 6006

Detector 1: 5597

Detector 2: 5678

Date: June 20, 2016

Tech.: GP

Job Order: SO#3035

Customer PO PO#1130464-000
OP

Channels: 1024 ADC Offset: N/A

High Voltages

A1	A2	A3	A4	A5
638	648			

Stripping Constant	"this system"	"normal"
Alpha	0.263	0.250
Beta	0.414	0.400
Gamma	0.755	0.810
a	0.046	0.060
b	0.005	0.000
g	-0.002	0.003

ROI#	Channel	IAEA Specification [keV]	Label
1	137-937	410-2810	Total Count
2	457-523	1370-1570	Potassium K
3	553-620	1660-1860	Uranium U
4	803-937	2410-2810	Thorium Th
5			
6			
7			
8	553-620	1660-1860	Uranium Upper U

Det#	Peak Cs	Cs FWHM		Peak Th	Th FWHM
A1	219.96	7.33		873.17	4.24
A2	220.05	7.27		872.65	4.30
A3					
A4					
Sum Dn	220.04	7.26		872.91	4.25
Sum Up					